

## SEQUENCE LISTING

<110> Craig Rosen,  
Steve Ruben

<120> Human Cancer Associated Gene Sequences and Polypeptides

<130> PA106PCT

<140> Unassigned

<141> 2000-03-08

<150> 60/124,270

<151> 1999-03-12

<160> 1694

<170> PatentIn Ver. 2.0

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<222> (546)

<223> n equals a,t,g, or c

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&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



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&lt;210&gt; 4

&lt;211&gt; 813

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (784)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (787)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (793)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (807)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4

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<212> DNA

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<221> misc feature

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<210> 10

<211> 1373

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1373)

<223> n equals a,t,g, or c

<400> 10

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<210> 11

<211> 3804

<212> DNA

<213> Homo sapiens

<400> 11

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tgccagacaa agcatgcgtg tcacacttgc tacaatagcc tggatggttt cttttgtctc 180
caattattca cacacagcaa atattttgcc agatatcgaa aatgaagatt tcatcaaaga 240
ctgcgttcga atccataaca agttccgatc agagtgaaa ccaacagcca gtgatatgct 300
atactgact tgggacccag cactagccca aattgcaaaa gcatgggcca gcaattgcca 360
gttttcacat aatacacggc tgaagccacc ccacaagctg caccacaaact tcacttact 420
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&lt;210&gt; 12

&lt;211&gt; 2157

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (806)



<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (846)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<400> 12

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cggacaaggg caacgagcgt ttcgtttgga cttctcgact tgagtgcccg cctccttcgc 120
cgccgcctct gcagtcctca gcgcagtctt tccacaggag ccagcatact tcctgaacat 180
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&lt;210&gt; 13

&lt;211&gt; 1117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1102)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 13

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ctggagatca tctaccaggg ctggggcttc tgggacaggc gaggaccac ggaccctgga 180
agagctggtc caggggactg aactccgggc atctttacag agcagagcat gatcacattc 240
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awgcctctcc aacatcttca ancccctgac attattt 1117

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&lt;210&gt; 14

<211> 885  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (869)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (884)  
<223> n equals a,t,g, or c

<400> 14  
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gtggccaccg atgacctgga tttccggcac cacagctaca aggacatgcg ccagctcatg 180  
aaggtggtga acgaggagtgc ccccaccatc acccgcaactt acagcctggg caagagctca 240  
cgaggcctca agatctatgc catggagatc tcagacaacc ctggggagca tgaactgggg 300  
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<210> 15  
<211> 1024  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (938)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1005)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1012)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1019)  
<223> n equals a,t,g, or c

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gccagatgct caaggaggga gcgaaacact tttcaggatt agaagaggct gtgtatagaa 180  
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<210> 16  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<400> 16

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atcaggactg aacacagagg actcaccatg gagtttgggc tgagctggat ttcccttgct 180
gctattttta aaggtgtcca gtgtgagggt cagctgggtg agtctggggg aggcttggtg 240
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ctcaagagat gattcaaaaa acacgytgta tytgcaaatg aacagcctga aaaccngagg 480
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<210> 17

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

<400> 17

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tcgccccacc cggccgcccgc ccgagcgctc gagaaagtcc tctcgggaga agcagcgct 180
gttcccgggg cagatccagg ttcaggctcct ggctataagt caccatggca cagcaagctg 240
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gggctgccaa gaagctggta tgggtgcctt ccgacaagag tggctttgag ccagccagcc 360
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aggtgaacaa ggatgacatc cagaagatga acccgcccaa gttctccaag gtggaggaca 480
tggcagagct cacgtgcctc aacgaagcct cgggtgttgca caacctcaag gagcgttact 540
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ccgaggtggg ggnngnggcg ggt 623
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<210> 18

<211> 559

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <222> (371)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (531)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (544)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (547)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (556)  
 <223> n equals a,t,g, or c

<400> 18  
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 attagtaatt ttaaaatgag grtggaatt aactaacaga actgatagga agtgtaaca 180  
 tacaacaggg gagtctaaga tggcttccaa ttttactta gaggggtaag ggtaccatta 240  
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 taatgagctg ntctcattaa gaccagagta cttatttata acaaaaagtaa cttttccctt 420  
 tccctgggta catcaaactg tactccacag ataacagaca ccagtgagtt tttcatggtt 480  
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<210> 19  
 <211> 1355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (55)  
 <223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (1045)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1355)  
<223> n equals a,t,g, or c

<400> 19  
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acaacggcac ctctgccagg gctaccacaa ccccgccag caagagcact ccattctcaa 180  
ttcccagcca ccactctgat actcctacca cccttgccag ccatagcacc aagactgatg 240  
ccagtagcac tcaccatagc acggtacctc ctctcacctc ctccaatcac agcacttctc 300  
cccagttgtc tactgggggtc tctttctttt tcctgtcttt tcacatttca aacctccagt 360  
ttaattcctc tctggaagat cccagcaccg actactacca agagctgcag agagacattt 420  
ctgaaatgtt tttgcagatt tataaacaag ggggttttct gggcctctcc aatattaagt 480  
tcaggccagg atctgtgggtg gtacaattga ctctggcctt ccgagaaggt accatcaatg 540  
tccacgacgt ggagacacag ttcaatcagt ataaaacgga agcagcctct cgatataacc 600  
tgacgatctc agacgtcagc gtgagtgatg tgccatttcc tttctctgcc cagtctgggg 660  
ctggggtgcc aggctggggc atcgcgctgc tgggtgctgt ctgtgttctg gttgcgctgg 720  
ccattgtcta tctcattgcc ttggctgtct gtcagtgcgc ccgaaagaac tacgggcagc 780  
tggaacatct tccagcccg gatacctacc atcctatgag cgagtacccc acctaccaca 840  
cccattggcg ctatgtgccc cctagcagta ccgacgtag cccctatgag aagggttctg 900  
caggaatagg tggcagcagc ctctcttaca caaaccagc agtggcagcc acttctgcc 960  
acttgtaggg gcacgtcgcc cgctgagctg agtggccagc cagtgccatt ccaactccact 1020  
caggttcttc agggccagag ccctngcacc ctgtttgggc tggtagctg ggagttcagg 1080  
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gaagctcatg tgggccctga ggctcatgcc tgggaagtgt tgtggtggg gctcccagga 1200  
ggactggccc agagagccct gagatagcgg ggatcctgaa ctggactgaa taaaacgtgg 1260  
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaan 1355

<210> 20  
<211> 1280  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1043)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1162)  
<223> n equals a,t,g, or c

<400> 20  
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tcacgaccaa aggtgtcacc tcagtctctc agatcttcca cagcccagac ctggccataa 180
gggacacctt tgtgaatgcc tctcggaccc tgtacagcag cagccccaga gtcctaagca 240
acaacagtga cgccaacttg gagctcatca acacctgggt ggccaagaac accaacaaca 300
agatcagccg gctgctagac agtctgccct ccgatacccg ccttgtcctc ctcaatgcta 360
tctacctgag tgccaagtgg aagacaacat ttgatcccaa gaaaaccaga atggaaccct 420
ttcacttcaa aaactcagtt ataaaagtgc ccatgatgaa tagcaagaag taccctgtgg 480
cccatttcat tgaccaaact ttgaaagcca aggtggggca gctgcagctc tcccacaatc 540
tgagtttggg gatcctggta ccccagaacc tgaaacatcg tcttgaagac atggaacagg 600
ctctcagccc ttctgttttc aaggccatca tggagaaact ggagatgtcc aagttccagc 660
ccactctcct aacactaccc cgcataaaag tgacgaccag ccaggatatg ctctcaatca 720
tggagaaatt ggaattcttc gatttttctt atgaccttaa cctgtgtggg ctgacagagg 780
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tttctctagt tcaagttcac cagactctat aaataaaacc tgacagacca tgaaaaaaa 1260
aaaaaaaaac tcaagactag                                     1280

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&lt;210&gt; 21

&lt;211&gt; 1191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 21

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gcaattcctt ctggcttctt gtgacctcac gcaagaaaag gttgtgtact aaatgaatct 60
gctttaactt gctctccttc ctcggggatc acaccttttt aagaaagcct gtcccttacc 120
ttgaagcaca aacatattct catttttatt ctcccaatac cttgaagggt ttcttctgca 180
catgtatttg tttgatctgc cttttgtgcg tggggtgagg gttaggtagg aatcttaag 240
tggagagcca gtttcttccc aaattactga cctaaccat ccttaacccc cagttcaagg 300
ccacctttgt gatagtgaag cttccacatg ctcactcagc cccttctgct ctctcttctt 360
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ggtggctgtg tgtgcacaac ttcaacttta catgtggggc tgagtcccta tgttgatat 480
ccttggtgca aagcacaata tgttaattgc tatagctttt aaaaaataa ttaatagttt 540
ttcataatca aattttcttg cttttttgtt ttttcaaaa agcatacttt tattgaagaa 600
taaacccctt atatatgtac acttatttat aactatgaac gcctgaacta ggatagaaat 660
gcattgtgta tattacaaaa cataacaaaa ataatagggg tagggagggt cagatgttgg 720
tcaaaggata taaacctgca gttctatgat gaataagttc tggacatctg gaatacagca 780
tggtgactat acttagtaat actatattgt acacttgaag cttactgaaa gagtaaatct 840
caagtgttct caccacacaa acccaaagg aactatgttc tcaccacaca aaccacaaag 900
gaactatgta ttaattagct tgattgtggg aaccatttca caatgtatac atttgccaaa 960
acattatggt gtatacctgg aatatataat tttatttatc aattatacct caataaagct 1020
gaaagagggg attactaatt cccacaaaat acagatttaa caaaaacttt tattcaacaa 1080
acagtgtctat gaagtgttaa attggaaaca aaagaaataa aatttcatcc acagtcttct 1140
catcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcgtag g 1191

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&lt;210&gt; 22

&lt;211&gt; 853



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 22

```

cttacacagc agcaacagcc tgctacaggg ccacagccat ctctgggagt tagttttgga 60
acgccattcg gctcaggtat tggcactggc ttgcaatcaa gtggccttagg ttcttcaaac 120
cttggaggat ttggaactag ctctgggttt ggatgcagca ccacaggggc ctccacattt 180
ggatttgga caacaaataa accctcagga agtcttagtg caggcttttg cagctcaagt 240
acatctgggt ttaacttcag caatcctggc atcacggcat cagctgggtt gacttttggg 300
gtgtccaatc ctgcctctgc aggttttgga acaggaggac aactccttca gttgaagaaa 360
cctccagctg graacaaaag aggaaaaaga taaacatggg ttgatgtgtt gagagaatcc 420
atagcagcac cgttcattct atgagcttat ttttctaata atgcagtaat taaattgcat 480
cccaggagat ttataaagtt ttgatatttt tccctactct ggratttgaa ctttcttcat 540
gtttgccata ctgaacawct tttttcttgt ggaatttaaa gtccagctgt gttttctttt 600
taatttgatt ctcagtgtaa gaaatgttct gattacatca ctgattggta atggttagaa 660
accattaacc taaaacttac tatttaacct agtgtttttg ttgatgaggt ttacattatg 720
tgaatacatg cacatttggt tcttatacag gtggtgtgaa ctctagggcc tatactagaa 780
tcaatttggt ccttggttaa ggccttttga attatactgc agggcatctt gtgaatatgt 840
atgtaaatat ata                                     853

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&lt;210&gt; 23

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 23

```

ggcacgagct cgtccggccc gtgggtctga cggcttgagt agcgctaggg agaatccctg 60
caggtaatat ttgacttttg cttcatatta atctgagtgg aaaataaaaag ggccctcttc 120
tcctctcgct tccctgccgg gcaggcgcca tggcggaagc tcggcgacgg gcgcctgcgg 180
agaggcgatg gcagcggcgg aaggctcctc gggcccggcg ggttgactc tgggcccggag 240
cttctcgaac tacgggccct tcgagcccca ggcgttgggc ctcagcccgga gctggcggct 300
gacgggcttc tccggcatga agggctgagg ctgcaaggtc ccgcagaggc gctgctcaaa 360
ctcctggcgg gactgamcgg gccggacktk cggcccgcgt gggccggggc ctkgkkggk 420
gccargaara agcgtcccag gaagccggcc tgccggcaag agcggggccc agcc 474

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&lt;210&gt; 24

&lt;211&gt; 2280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 24

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ctctccccct ccnaccctc ccgtccaaag attcgccgcc gccgccggcg cagccgcagg 60
agtagccgcc gccggagccg cgcgcарсса tggccgagaa cccagcttg gagaaccacc 120
gcatcaagag cttcaagaac aaggccgcg atgtggaaac aatgcgaaga catagaaatg 180
aagtgcagt ggaactgcgg aagaacaaa gagatgaaca cttattgaaa aagagaaatg 240
ttccccaaga agaaagtcta gaagattcag atgttgatgc tgattttaaa gcacaaaatg 300

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taaaatctgg gattttacca attctagtca aatgtctaga aagggatgat aatccttcat 480
tacagtttga agctgcttgg gcattaacta acatagcatc aggracttct gcacagactc 540
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gtagagatta tgtcatatca ctgggagttg tcaaacctct tctgtccttc atcagtcctc 720
ccatcccat caccctcctt cggaacgtca catgggcat tgtcaatctc tgcaggaata 780
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aatgattttc attggtggaa ctgacacaaa aaaagtaact taaaacaag aaacttggtt 2220
attgaataaa cagataagtt taaaaaaaa aaaaactact tcatctacca gtaattgatg 2280

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&lt;210&gt; 25

&lt;211&gt; 1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

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cgaccgggcc cagtgcgcag ggcgggaaa gttgaactaa taaagtttgt acgagttcag 60
tggaggagac cgcaagttga gtggaggagg cggcggtggg gcccgggacc aggtgcctcc 120
atggcaggct ctgaagagct ggggctccgg gaagcacgc tgagggtcct agctgccttc 180
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gaagagccaa cagacttcct gagccgctt cgaagatgtc ttccctgctc cctggggcga 300
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ttagagcctg gccagctac tccagacttc tatgctttgg tggccagcg gctggaacag 420
ctggtccaag agcagctgaa atctccgccc agccagaat tacagggtcc ccatcgaca 480
gagaaggaag ccatactgcg gaggtggtg gccctgctgg aggaggaggc agaagtcatt 540
aaccagaagc tggcctcgga ccccgccctg cgcacaagct ggtccgctg tcctccgact 600
ctttcgccc cctgggtggag ctgttctgta gccgggatga cagctctcgc ccaagccgag 660

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catgccccgg gcccccgcct cttccccgg agcccctggc ccgcctggcc ctagccatgg 720
agctgagccg gcgcgtggcc gggctgggg gcaccctggc cggactcagc gtggagcacg 780
tgcacagctt cagccctgg atccaggcca cgggggctgg gagggcatcc tggctgttc 840
accgctggac ttgaacttgc cattggactg agctctttct cagaagctgc tacaagatga 900
cacctcatgt ccctgccctc ttcgtgtgct ttccaagtc ttcctattcc actcagggct 960
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<210> 26

<211> 1572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1491)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1555)

<223> n equals a,t,g, or c

<400> 26

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gggcagctgc ggacatgtcg accccggccc ggaggaggct catgcgggat ttcaagcggg 180
tacaagagga cccacctgtg ggtgtcagtg gcgcaccatc tgaaaacaac atcatgcagt 240
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taatagaatt ttctgaagaa tatccaaata aaccaccaac tgttagggtt ttatccaaaa 360
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cgaatcctaa cagtccagcc aatagccagg cagcacagct ttatcaggaa aacaaacgag 540
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ctggtctgtt aatctttttc atcattgttg tgtataattt acctctcatt agaaaggcta 660
acaaatttta agtggccacag gttttaagga ttctgcagaa aaaaaagaaa aaagtccttc 720

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aactaagtta ttgctgcata aatttgtaat atatcctgtt tgtatttttt tccaagtgtg 840
taatgttggt gtggagtttt catgacagaa tatacacatt ttgtaaatct gtactttttt 900
caaatattga atgccttatt tttgaattct ttagattttt aaattggaga aaagcactta 960
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ggggggggga atcttgggg gttaacnttt aaattatttt gggaaaattt acccntttta 1560
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<210> 27

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1976)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1978)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1979)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1986)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1988)

<223> n equals a,t,g, or c

&lt;400&gt; 27

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cgccctccgcc ccctagcgct gttcccgggt gtggcgctgc ttcttgccgc ggcccgctc 180
gccgctgcct ccgacgtgct agaactcacg gacgacaact tcgagagtcg catctccgac 240
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taccgatttg cacatacgaa tgttgagtct ctgggtgaac agtatgatga taatggagag 720
ggtatcatct tatttcgtcc ttcacatctc actaacaagt ttgaggacaa gactgtggca 780
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cactgtttat ggaaatacca ggaccagttt atgtttgtgg ttttgggaaa aattatttgt 1860
gttgggggaa atgttgtggg ggtgggggtg agttgggggt attttcta attttttgt 1920
catttggaac agtgacaata aatgagacc ctttaaaaaa aaaaaaaa aaaaannng 1980
gggggncncc cagtcccat cgccc
2005

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&lt;210&gt; 28

&lt;211&gt; 1408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 28

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cccgagaca ngcaattttc acctgtgagg tccctgggtg ctactacttt gsataccacg 60
ttcactgcaa ggggggcaac gtgtgggttg ctctattcaa gaacaacgag cccgtgatgt 120
acacgtacga cgagtacaaa aagggtcttc tggaccaggc atctgggagt gcagtgtctg 180
tgctcaggcc cggagaccgg tgttcctcca gatgccctca gaacaggctg caggactgta 240

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tgccgggagcag tatgtccact cctccttttc aggatattta ttgtatccca tgtaaaaaaca 300
aaaaaacaaa aaacaaagaa aagaaagaga ttttatagaa gaaaatgaca caccacaaaaa 360
tccaaatgaa aaacataatt gcttcaaaac acttacacag ttggaaagtt atatgtaagt 420
gaaaatttgg accatttgtgt acaataaaaa actaagatgc atgtttaata ctccacacag 480
cagcctgtaa ttgcgaatga tgggatagag ttatgtatca agtactgaca cttgggttgta 540
cccactggaa tcatatttagc tgttttatgt tatatgcttc cacagtaacc tgcttattca 600
gatcagtcaa aatatatcag tatgaaagat catagctaata gaaaggcact cactcatatt 660
gtttacttta aaatatattat aaatatgcct taaagaaata caaatgataa caattacata 720
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tctgttttagc atgtatgcaa actggata 1408

```

&lt;210&gt; 29

&lt;211&gt; 917

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 29

```

ggcacgagcg aggggaggag ccgctggctc ccagccccgc cgcgatgagc ctcgcccgcc 60
tttgccgcct actgaagccg gcgctgctct gtggggctct ggccgcgcct ggcctggccg 120
ggaccatgtg cgcgtcccgg gacgactggc gctgtgcgct ccatgcacga kttttccgcc 180
aaggacatcg acgggcacat ggtaaacctg gacaagtacc ggggcttcgt gtgcatcgtc 240
accaacgtgg cctcccagtg aggaagacc gaagtaaaact acactcagct cgtcgacctg 300
cacgcccgat acgctgagtg tggtttgcg atcctggcct tcccgtgtaa ccagttcggg 360
aagcaggagc caggagtaga cgaagagatc aaagagttcg ccgcgggcta caacgtcaaa 420
ttcgatatgt tcagcaagat ctgctgaac ggggacgacg cccaccgcgt gtggaagtgg 480
atgaagatcc aacccaaggg caagggcacg ctgggaaatg ccatcaagtg gaacttcacc 540
aagttcctca tcgacaagaa cggctgcgtg gtgaagcgct acggacccat ggaggagccc 600
ctggtgatag agaaggacct gccccactat ttctagctcc acaagtgtgt ggccccgccc 660
gagcccctgc ccacgcccty ggagccttcc accggcactc atgacggcct gcctgcaaac 720
ctgctggttg ggcagaccgg aaaatccagc gtgcaccccg ccggaggaag gtcccatggc 780
ctgctgggct tggctcggcg cccccacccc tggctacctt gtgggaataa acagacaaat 840
tagcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaa aaaaaaa 917

```

&lt;210&gt; 30

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (534)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (575)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 30

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aattcggcac gaggtcatct ggtggaaaag gagactttaa gattgttttag ggctgggcgg 60
ggtgactcac atctgtaatc ccagcacttt gggaggccaa ggcaggcaga acacttgaag 120
gagttcaaga ccagcgtggc caacgtggtg aaccctgtct ctactaaaaa tacaaaaatt 180
gttttagctct gtttttcata atagaaatag aaaaggtaaa attgcttttc ttctgaaaag 240
aacaagtatt gttcatccaa gaagggtttt tgtgactgaa tcagcagtg ctagccctagt 300
catagctgtg cttcagaaac ctcagcatga ttagtgttkg agcmmaacaa ggragcaaag 360
caaatwcwgt ttttgaaatt ctatctgttg cttgaactat tttgtaataa ttaactttg 420
gatgttgaga aatcacaaact ttattggtac acttcattgc aacttgaaat tccatgggtc 480
ttaaagtgag attggaattc naatgggcgg cctttaaaaa gtaattccca accnttaagg 540
ttaaaaccca ggaaattggg gccaatcnaa aaccngg 577

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&lt;210&gt; 31

&lt;211&gt; 2059

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 31

```

tgggagtaaa aatgtgtctt cagagactgt gaacatcacc atcactcaag gtttggcagt 60
gtcaaccatc tcatcattct ttccacctgg gtaccaagtc tctttctgct tggatgatgg 120
actccttttt gcagtggaca caggactata tttctctgtg aagacaaaca ttcgaagctc 180
aacaagagac tgggaaggacc ataaatttaa atggagaaa gacctcaag acaaagacc 240
cccatcccat gggggtaata agagcagtag cagcagcatc tctgaacatt tctctggatt 300
tgcaaccca tcatcctcag gcctctctac aagcagcagg aaacatagaa ctgagagcca 360
gatcccttat ccaactctcg acttttcctt ggtctccagt ggaagggaaa agcccatgat 420
cttcaagcag ggaagcccca gtgagtagct gcattcctag aaattgaagt ttcagrgcta 480
cacaacamt tttctgtccc aaccgttccc tcacagcaaa gcaacaatac aggctaggga 540
tgaaggagga gtgcaaaara gtgtccccac cctcctgccc cccgcaccgt ttgcccaccc 600
ttcggaagac ccagtgtgtg gatgagtatg agtgtgcctg caactgtgtc aatccacagt 660
gagctgtccc cttgggtact tggcctcaac cgccaccaat gactgtggct gtaccacaac 720
cacctgcctt cccgacaagg tgtgtgtcca ccgaagcacc atctaccctg tgggccagtt 780
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ctgtgcctg ccttgccctga tggccaggcc agagtgtgc cagtcctctg catgttctgc 1980
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aaaaaaaaa aaaaaaaaaa 2059

```

<210> 32

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c



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tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca 180  
cctaaattca attcactggc cgtcgtttta caacgtcgtg actgggaaaa ccctggcggt 240  
acccaactta atcgccctgc agcacatccc cctttcgcca gctggcgtaa tagcgaagag 300  
gcccgcaccg attcgccctt tcccaacagt tgcgcancgt gaatggcgaa tggggacgcg 360  
ccctgtatgg gcgcgttnaa gcgcggcggg tgtggtggtt acgcgcagtg gacccgctac 420  
acttgccagc gccctagcgc ccgctccttt cgctttcttc ccttcctttc tcgccacgtt 480  
cgccggcctt ccccttnaag ctctaaatcg gtgggctccc tttaggtgtc ctatttngtg 540  
ctttanggt 549

<210> 33  
<211> 841  
<212> DNA  
<213> Homo sapiens

<400> 33  
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gcagccccac agaccatggt catgccaggt ggttgacta caatcccaga gtcagaccta 180  
gaagaaagat cagtagaaca agactctaca gaactgttta ccaaccacag acatctcact 240  
gcagagacac ccaggcctgt ttcacccctc caaggagtct cggaataatt ccaagtagag 300  
ttgtttggtt gagaggaaca tccccatctc aaggccgaac ctgtgtgaac ctcatgccaa 360  
gcacagatat arggctggcg cagggtgctc cyaaagctya ccttcctgga gatgacatgc 420  
atagaaagag ggttgggac tttttacttc actaggagaa cttgtaacac catggggaag 480  
tcagctgaaa cttgtcttgt tttgccagga aaggaagtag ttgccttttg tcatccatct 540  
gctaatagtc acagaatata gtgaaatgac atagttttgg gttagatttt ataatgcaa 600  
gattcagatc caaaataatt tcatacccca ttttttcaca gaattcttat atagtaaatg 660  
tatcaagttt aataaagcat ctcatgttca aataatatct tggattttat ttataattag 720  
agggatttat gagtgtattg tctacattat ttcttcaaag gaaaggaaa gaattgaaga 780  
ctttgctact ctctggtaag acttgaatgt gattatttta taaataaaa aaccactatg 840  
a 841

<210> 34  
<211> 863  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 34

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accaaaaaag ctttggagnt ttccaaccnc cggtttgcgg ccngttttt tagaactnag 60
tggaatcccc cgggggcttt caaggaattc ggcacgagtt tgcttaggcg cagacgggga 120
agcggagcca acatgccagt ggcccggagc tgggtttgtc gcaaaactta tgtgaccccg 180
cggagaccct tcgagaaatc tcgtctcgac caagagctga agctgatcgg cgagtatggg 240
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gcccgggaac tgctgacgct tgatgagaag gacccacggc gtctgttcga aggcaacgcc 360
ctgtgcggc ggctgggtccg cattgggggt ctggatgagg gcaagatgaa gctggattac 420
atcctgggccc tgaagataga ggattttcta gagagacgcc tgcagaccga ggtcttcaag 480
ctgggcttgg ccaagtccat ccaccacgct cgcgtgctga tccgccagcg ccatacagg 540
gtccgcaagc aggtggtgaa catcccgtcc ttcattgtcc gcctggattc ccagaagcac 600
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aatgccaaaga agggccaggg tggggctggg gctggagacg acgaggagga ggattaagtc 720
cacctgtccc tcctgggctg ctggattgtc tcgttttcct gccaaataaa caggatcagc 780
gctttacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa ttt 863
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&lt;210&gt; 35

&lt;211&gt; 1230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

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tgcaggaatt cggcacgagc ccagcgcgcg cgccatgtcc tccgggggcta gcgcgagcgc 60
cctgcagcgc ttggtagagc agctcaagtt ggaggctggc gtggagagga tcaaggtctc 120
tcaggcagct gcagagcttc aacagtactg tatgcagaat gcctgcaagg atgccctgct 180
ggtgggtgtt ccagctggaa gtaaccctt ccgggagcct agatcctgtg ctttactctg 240
aagactctag gagagaagtt tgctgaggaa tgccttcaag cacaaagtga tgaatgactg 300
ccttcaagtc tcaagaaaac acttttccct aacttttaga gatatttcag cccttccctg 360
tggcctggtc ctatagccaa aatcacagat attcatgagt ttctacttga gtgagaaaac 420
tgggtgaagg aatagaattt taaatagtaa taactgcttg tttttttgt gcaagtactt 480
ttatacataa gataaacaaa aaccttacca ccaaacatac caaaatgcac ctctttcata 540
agtgaattac taagatttct atacctggaa tatcatgtat gtttcattta ctggatgttt 600
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tgtcttgatt tttctaaatg ggaagattgc tttattttta acactaatta tgggagcaga 840
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ttcacaagtg ttttacttcg acgatgtgcc tttgatttaa tttgggacac ttttttagaa 1140
ggatacatta ttcgtgtttg caacggtctt tgaagagctt ggaaataaaa tttctgctta 1200
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attaatcatt tttctatgac agcaaaaaaa

1230

<210> 36

<211> 640

<212> DNA

<213> Homo sapiens

<400> 36

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cggtcgacc cagcggtccg gctgtctgaa gatagatcgc catcatgaac gacaccgtaa 120
ctatccgcac tagaaagttc atgaccaacc gactacttca gaggaacaa atggtcattg 180
atgtccttca ccccggaag gcgacagtgc ctaagacaga aattcggga aaactagcca 240
aaatgtacaa gaccacaccg gatgtcatct ttgtatttgg attcagaact cattttggtg 300
gtggcaagac aactggcttt ggcatgattt atgattccct ggattatgca aagaaaaatg 360
aaccctaaac tagacttgca agacatggcc tgtatgagaa gaaaaagacc tcaagaaagc 420
aacgaaagga acgcaagaac agaataaga aagtcagggg gactgcaaag gccaatgttg 480
gtgctggcaa aaagccgaag gagtaaaggt gctgcaatga tgtagctgt ggccactgtg 540
gatttttcgc aagaacatta ataaactaaa aacttcaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 640
```

<210> 37

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (590)  
 <223> n equals a,t,g, or c

<400> 37  
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 gtccggcagc gccagcccta cactcgcccc cgccatggcc tctgtctccg agctcgccctg 180  
 catctactcg gccctcattc tgcacgacga tgagggtgaca gtcacggagg ataagatcaa 240  
 tgccctcatt aaagcagccg gtgtaaagt tgagcctttt tggcctggct tgtttgcaaa 300  
 ggccctggcc aacgtcaaca ttgggagcct catctgcaat gtaggggccg gtggacctgc 360  
 tccagcagct ggtgctgcac cagcaggagg tcctgcccc tccactgctg ctgctccagc 420  
 tgaggagaag aaagtgaag caaagaaaga agaatccgag gagtctgatg atgacatggg 480  
 ctttggtctt ttgactaaa cctcttttat aacatgttca ataaaaagct gaactttaa 540  
 aaaaaaaaaa aaaaancncg gggggggnccg ctttaaaggg tccaagttan gtacggg 597

<210> 38  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (79)  
 <223> n equals a,t,g, or c

<400> 38  
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 gaggagacca tcgagggcat gctcctcagg ctggaagagt tttgcagcct ggctgacctg 180  
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<210> 39  
 <211> 1029  
 <212> DNA  
 <213> Homo sapiens

<400> 39  
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```

<210> 40

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<400> 40

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gaaaactgcg agccagcatt acccccggga ccattctgat catcctcact ggacgccaca 180
ggggcaaggt gagagtacct gtgcttgggg cgcttcactg cagctgcctg gggcgctgg 240
tggaatgcg tttgcacgct aggtgtactt ttcctttatt tacctatggt tggggcaagg 300
ggaaatgac tgcaagatac aacttagttg ttgcaaataa gaagtgaat ccatggtgat 360
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ttcctcagct ccagggttac ctgcgatctg tgttgctct gacgaatgga atttatcctc 960
acaaattggt gttctaaatg tcttaagaac ctaattaaat agctgactac aaaaaaaaaa 1020

```

```

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gggccccggtt cccatttngc cctttng 1107

```

<210> 41

<211> 1051

<212> DNA

<213> Homo sapiens

<400> 41

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cttggaagtc agtcgtagtc ctgcgagtct cggcgggagc tggaagtgcg catccacgac 60
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tgtggctgct ggtgaaaagc ttctccgaga gtggaatcaa ctatgaaatt ataatcatag 180
atgatggaag cccagatgga acaagggatg ttgctgaaca gttggagaag atctatgggt 240
cagacagaat tcttctaaga ccacgagaga aaaagttggg actaggaact gcatatattc 300
atggaatgaa acatgccaca ggaaactaca tcattattat ggatgctgat ctctcacacc 360
atccaaaatt tattcctgaa ttatttagga agcaaaagga gggtaatttt gatattgtct 420
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caggaagtgt cagattatac cgaaaagaag ttctagagaa attaatagaa aaatgtgttt 600
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```

<210> 42

<211> 2192

<212> DNA

<213> Homo sapiens

<400> 42

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actcgggggg ggcccgttac caattggcct aa 2192

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<210> 43

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 43

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ccgggtcgac ccacgcgtcc ggtggggctt caccaagttc aatgctgatg aatttgaaga 120
catggtggct gaaaagcggc tcatcccaga tggctgtggg gtcaagtaca tcccagtcg 180
tggccctctg gacaagtggc gggccctgca ctcatgaggg cttccaatgt gctgcccccc 240
tcttaatact caccaataaa ttctacttcc tgtccaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaa aag 353

```

<210> 44

<211> 3490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

&lt;222&gt; (782)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2298)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 44

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cctgcctccc amtargtcaa gaggaactag agtacctttg gatattatcag gacctcatg 360
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aaaaaacctt                                     3490

```

&lt;210&gt; 45

&lt;211&gt; 781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (750)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 45

```

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t                                                                 781

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&lt;210&gt; 46

&lt;211&gt; 1431

<212> DNA

<213> Homo sapiens

<400> 46

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ttattgaaaa tgaagagcag gaatatgttc aaactgtgaa gtcattccaa ggtgggtccc 180
gatcagcggg gagcccctat cctaccttca atccatcctc ggatgtcgct gccttgcata 240
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<210> 47

<211> 1913

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1878)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1896)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (1905)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1907)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 47

```

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cctggaatct ttggatgtgt gccagttca cagattggac cctattgggt tgtgggtggg 1860
ccagggcatc caaagacntc attggactaa ttcacnttcc cccgnanagc ccc 1913

```

&lt;210&gt; 48

&lt;211&gt; 1761

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 48

```

cgaggagctc tgaggtctat gctcagctgt gcaacgtggc tcgcattgag gcagagcggg 60
aggccggggg ccacttccgg ccaggctatg agtatggccc cggggccgat gacctgcact 120
acagcatcta tggcccagat ggggccccct tctacaacta cctggggccc gaggacaccg 180

```

```

tccctgagcc tgccttcccc aacacagccg gtcactcagc ggaccgcaca cccatccttg 240
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cagccggcctt cgaagggctt caggcggagg agtgcgccat cctgaacggc tgtgagaatg 360
gccgctgtgt gcgcgtgcgg gagggctaca cctgtgactg ttttgagggc ttccagctgg 420
atgcggccca catggcctgc gtagatgtga atgagtgtga tgacttgaac gggcctgctg 480
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ggcaggcatt cctctgagtt tacaagcaga gactcactcc aacccaaact agctgggagt 1680
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aaaaaaaaaa aaaaaaaaaa g                                     1761

```

<210> 49

<211> 956

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<400> 49

```

tgcaggagtt cggcacgagg gtatttagag cgcaggncctg acggggccgga tcgccttcgc 60
cgccgcccgc ccgcaaacct tcgtgccggg cccgtcctcg cccccgcctc cgccaccgcc 120
tcggcccgcga gagcttgccc cctccccacc cgcagacatg tccgagtcca agagcggccc 180
cgagtatgct tcgtttttcg ccgtcatggg cgctcggcc gccatggtct tcagcgcct 240
gggcgtgcc tatggcacag ccaagagcgg taccggcatt gcggccatgt ctgtcatgcg 300
gccggagcag atcatgaagt ccatcatccc agtggtcatg gctggcatca tngycatcta 360
cggcctgggtg gtggcagtc tcatcgccaa ctccctgaat gacgacatca gcctctacaa 420

```

```

gagcttcctc cagctgggcg ccggcctgag cgtgggcctg agcggcctgg cagccggctt 480
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cgtgggcatg atcctgattc tcattctcgc cgagggtgctc ggccctctacg gtctcatcgt 600
cgccctcatc ctctccacaa agtagaccct ctccgagccc accagccaca gaatattatg 660
traagaccac ccctcctcat cggccctcca ggccccggc gccccacccc ctagagtgtc 720
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```

<210> 50

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 50

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cggacgcgtg ggcgccctcc gaatccagag aggcgctgct gacaccgccg ccacaccgcc 60
gccacaccgc cgctgcctca gtcattccga agcacgagtt ctctgtggac atgacctgtg 120
gaggctgtgc tgaagctgtc tctcgggtcc tcaataagct tggaggagtt aagtatgaca 180
ttgacctgcc caacaagaag gtctgcattg aatctgagca cagcatggac actctgcttg 240
caaccctgaa gaaaacagga aagactgttt cctaccttgg ccttgagtag caggggcctg 300
gtccccacag cccacaggat ggaccaaagg gggcaggatg ctgatcctcc cgctggcttc 360
cagacagacc tgggacttgg cagtcatgcc gggatgatgt gttcctgcgg agaccctcag 420
ttgtcctatt ccttcctagc ttccctgcaa taaaatcaag ctgcttttgt tggaaaaaaa 480
aaaaaaaaaa gggggcgctc aaaaaccaan ttatttcnt gatgaaatcn acctctttgt 540
tccattcat ccggcctnaa aaa 563

```

<210> 51

<211> 3215

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3196)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 51

```

gcctcgggtg ggggtgggagc ggggggggaca gtgccccggg aaccgcgtgg gtcacacaca 60
cgactgcgc ctgtcagtag tggacattgt aatccagtcg gcttggttctt gcagcattcc 120
cgctcccttc cctccatagc cacgctccaa accccagggg agccatggcc gggtaaagca 180
agggccattt agattaggaa ggtttttaag atccgcaatg tggagcagca gccactgcac 240
aggaggaggt gacaaacat ttccaacagc aacacagcca ctaaaacaca aaaaggggga 300
ttgggcggaa agtgagagcc agcagcaaaa actacatttt gcaacttggt ggtgtggatc 360
tattggctga tctatgcctt tcaactagaa aattctaagt attggcaagt cacgttggtt 420
tcaggctccag agtagtttct ttctgtctgc tttaaattggr aacagactca taccacactt 480
acaattaagg tcaagcccag aaagtataa gtgcagggag gaaaagtga agtccattat 540
gtaaatagtg cagcaaggag accaggggag aggcattgcc ttctctgccc acagtctttc 600
cgtgtgattg tctttgaatc tgaatcagcc agtctcagat gcccctaaagt ttcggttctt 660
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cctgagatac ttcccaaagc cttatgttt aatcagcgat gtatataagc cagttcactt 1440
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cagatgtttt gatgttatcg cttatgttaa tagtaattcc cgtacgtgtt cattttatct 3120
tcatgctttt tcagccatgt atcaatattc acttgactaa aatcactcaa ttaatcaawa 3180
aaaaaaaaaa aaaccncggg gggggggcccga gaacc 3215

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<210> 52

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 52

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cagtttgtgt attgcgga caa gaaggcccag ctcaacattg gcaatgtgct ccctgtgggc 60
accatgcctg aggggtacaat cgtgtgctgc ctggaggaga agcctggaga ccgtggcaag 120
ctggcccggg catcaggga ctatgccacc gttatctccc acaaccctga gaccaagaag 180
accctgtgtga agctgccctc cggctccaag aagggttatct cctcagccaa cagagctgtg 240
gttggtgtgg tggctggagg tggccgaatt gacaaaccca tcttgaaggc tggccgggag 300
taccacaaat ataaggcaaa gaggaactgc tggccacgag tacgggggtg ggccatgaat 360
cctgtggagc atccttttgg aggtggcaac caccagcaca tcggcaagcc ctccaccatc 420
cgcagagatg cccctgtgtg ccgcaaagtg ggtctcattg ctgcccggcg gactggacgt 480
ctccggggaa ccaagactgt gcaggagaaa gagaactagt gctgaggggc tcaataaagt 540
ttgtgtttat gccaaaaaaa aaaaaaaaaa nnnngggggc cgctttarag rwtcctccaa 600
ggggccaact tacccttnca tgcaaa 626

```

<210> 53

<211> 920

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<400> 53

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ctctgctact atgatcccaa ttcagatgct gacagtgaaa ccgtgaaggc agcaaagggtg 120
tggaactcgc cagagtcctg gtgggtgagc agcagcagtg ccasgatgcc aagagccagc 180
agaaggagca gatgttgctg ctggagaaka agagtgcctg ttactcccag gtgcttctcc 240
gctgcctcac tttgctgcag aggcttcttc aagaacaccg gctgaagact caatccgagc 300
tagaccgcat caatgccag tacctggaag tcaagtgcgg tgctatgatc ctttaagctga 360
ggatggagga gctaaagatt ttgtccgaca cttacactgt tgagaaagtg gaagttcatc 420
gtctgattag ggaccgtttg gagggagcca ttcacctaca ggagcaggac atggagaact 480
caagacaggt cctgaactcc tatgaggacc ttggggagga gtttgacagg ctgggtgaaag 540
agtacaccgt actcaagcag gcaacagaga acaagcgggt ggccctccag gagttcagca 600
aggtctaccg ttgagcntcg ncagggccag gagacatggc ttctgcatag ctgctgcctc 660
ctaactcttc tgctagtggg accaccttca cctggggctg ccttcagtac aaggagagtgt 720
ggaanatstt acgcttgaaa cactgcagtc atttaggcac tctcctggtt tctctttatt 780
ttttatgact gggcctcttc ttgaaaatct agcaaggaga tttatataat ttttatgcat 840
agctgtgtgt cagtgtcagc cctgtattgt atttgattat ctctgaata aagttatgat 900
attawaaaaa aaaaaaaaaa                                     920
```

<210> 54

<211> 1090

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1034)

<223> n equals a,t,g, or c



&lt;400&gt; 54

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gagtaaccca gaaatgatgt tgcatttttt gctttacctg ataattgaaa ctttcaacaa 60
tctctggagt gactttttct cctcgaattg aaacaagtct atggcaaaaag aagctgcatt 120
tttttcacaa aagggaagat ggtaacaatg gtcacttcaa acttttgggc taaattatat 180
gtacacagaa atgttcaaaa tcatagtttt aatgtgtttt gaaaaggcca cacaattata 240
ctttatcttt tcttaataat cctgcaaatc tctgccctgg aatccgaaat ctgaaaatgt 300
actggcttga acaaaatttg ttttgtgtgt tagagttata aatcattaat ctttatttcg 360
ggtaggtttac gtttatgcca gttcctttat atttaaattt cttgttttat atattttgaa 420
tgtctttata gatttcttta aatttcctta tagaaccatt aatagaaaat cattacattt 480
aaaatatacc ttacagcaaa agcatccaaa taagtatagg gtttatgtcc ttatttttct 540
ttcagctgaa tacgaatgaa cacagtgggt gaatttctga agggaagtga tgaaattata 600
tttatttcag tgggcacttt tccattttac cactgtacca ttatttggtt cctggagtta 660
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ttccgtttat cctgccattg ctttgaaaag cagcaggaaa cgaaatcctt tgacttgtat 780
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aattgcatga agtggattga tcatgagcaa atgatgtgct tatttctccc tcaactgtga 960
atatctttga acttgctgtt ttcaatatgg gcagcacaaa ggtgagagat acatattaat 1020
agtngtatgt attnctctta tacattagat acctatattt aaatgaaagg gccaatattg 1080
aaacatatac                                     1090

```

&lt;210&gt; 55

&lt;211&gt; 1464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (766)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 55

```

ccgctccgga attcccgggt cgaccacgc gtcgccccac gcgtcgccca cgcgtccggg 60
gacgctctca gctctcggcg cacggcccag ctctcttcaa aatgtctact gttcacgaaa 120
tccttgcaaa gctcagcttg gaggtgatc actctacacc cccaagtgca tatgggtctg 180
tcaaagccta tactaacttt gatgctgagc gggatgcttt gaacattgaa acagccatca 240
agaccaaagg tgtggatgag gtcaccattg tcaacatttt gaccaaccgc agcaatgcac 300
agagacagga tattgccttc gcctaccaga gaaggaccaa aaaggaactt gcatcagcac 360
tgaagtcagc cttatctggc cacctggaga cggtgathtt gggcctattg aagacacctg 420
ctcagtatga cgcttctgag ctaaaagctt ccatgaaggg gctgggaacc gacgaggact 480
ctctcattga gatcatctgc tccagaacca accaggagct gcaggaaatt aacagagtct 540
acaaggaaat gtacaagact gatctggaga aggacattat ttcggacaca tctggtgact 600
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attatgaact gattgaccaa gatgctcggg atctctatga cgctggagtg aagaggaaaag 720
gaactgatgt tcccaagtgg atcagcatca tgaccgagcg gagtgncccc acctccagaa 780
agtatttgat aggtacaaga gttacagccc ttatgacatg ttggaaaagca tcaggaaaaga 840
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cctgtatttt gctgatcggc tgtatgactc catgaagggc aaggggacgc gagataaggt 960
cctgatcaga atcatggtct ccgcagtgga agtggacatg ttgaaaatta ggtctgaatt 1020
caagagaaaag tacggcaagt ccctgtacta ttatatccag caagacacta agggcgacta 1080
ccagaaaagcg ctgctgtacc tgtgtggtgg agatgactga agcccgcac ggcctgagcg 1140

```

```

tccagaaatg gtgctcacca tgcttccagc taacagggtct agaaaaccag cttgcgaata 1200
acagtccccg tggccatccc tgtgagggtg acgttagcat taccaccaac ctcatcttag 1260
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ttccaaggag ttggaagtga agtctatgat gtgaaacact ttgcctcctg tgtacttgtt 1380
cataaacaga tgaataaact gaatttgtac tttaaaaaaa aaaaaaaaaa aactyrgggg 1440
ggggcccgka cccattggcc ttag                                     1464

```

<210> 56

<211> 985

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (875)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (973)

<223> n equals a,t,g, or c

<400> 56

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agaagtgtct agtgttcaat gcagctgggg tgaaacccca ggggcaaggt ggctggcttt 60
gatctggacg ggacgctcat caccacacgc tctgggaagg tctttccac tggcccaggt 120
gactggagga tcttgtaccc agagattccc cgtaagctcc gagagctgga agccgagggc 180
tacaagctgg tgatcttcac caaccagatg agcatcgggc gcgggaagct gccagccgag 240
gagttcaagg ccaaggtgga ggctgtggtg gagaagctgg ggggtcccctt ccaggtgctg 300
gtggccacgc acgcaggctt gtaccggaag ccggtgacgg gcatgtggga ccatctgcag 360
gagcaggcca acgacggcac gcccatatcc atcggggaca gcatctttgt gggagacgca 420
gccggacgcc cggccaactg ggccccgggg cggaagaaga aagacttctc ctgcgccgat 480
cgctgtttt cctcaacct tggcctgccc ttcgccacgc ctgaggagt ctttctcaag 540
tgccagcag ccggcttcga gctcccagcc ttgatccga ggactgtctc ccgctcaggg 600
cctctctgcc tccccgagtc cagggccctc ctgagcgcca cccggangtg gttgtcgcag 660
tgggattccc tggggccggg aagtccacct ttctcaagaa gcacctctg tcggccggat 720
atgtccacgt gaacagggac acgctaggct cctggcagcg ctgtgtgacc acgtgtgara 780
cagccctgaa gcaagggaac cgggtcgcca tcgacaacac aaaccagac gccgcgagcc 840
gcgccaggtg cgtccartgt gcccgagccg cggngtacc cctgccgctg cttcctcttc 900
accgccactc tggagcaggg gcgccacaac aaccgggtga gcccgttca gcccgggaca 960
cnccccgggg atngcacccc ctgga                                     985

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<210> 57  
<211> 1246  
<212> DNA  
<213> Homo sapiens

<400> 57  
ctcagagtcg cgaggccgga cgcagcgcgc gccgccccac tcgccccagc cgccgccatg 60  
aaggccgtgg tgcagcgcgt caccgaggcc agcgtcacag ttggaggaga gcagattagt 120  
gccattggaa ggggcatatg tgtgttgctg ggtatttccc ttgaggatac gcagaaggaa 180  
ctggaacaca tgggtccgaaa gattctaacc ctgcgtgtat ttgaggatga gagtgggaag 240  
cactgggtcg agagtgtgat ggacaaacag tacgagattc tgtgtgtcag ccagtttacc 300  
ctccagtgtg tcctgaaggg aaacaagcct gatttccacc tagcaatgcc cacggagcag 360  
gcagaggggt tctacaacag cttcctggag cagctgcgta aaacatacag gccggagctt 420  
atcaaagatg gcaagtttgg ggctacatg caggtgcaca ttcagaatga tgggcctgtg 480  
accatagagc tggaatcgcc agtccccggc actgctacct ctgacccaaa gcagctgtca 540  
aagctcgaaa aacagcagca gaggaaagaa aagaccagag ctaagggacc ttctgaattc 600  
aagcaaggaa agaaacactc cccgaaaaga agaccgcagt gccagcagcg gggctgaggg 660  
cgacgtgtcc tctgaacggg agccgtagct caggaggcag aattcagtgt gttatcattg 720  
ggcagaactg gatcctgaaa aattcaagat gctaagcacc tacactactt taagaatttg 780  
gaactgaaac atgaagagga agacagaaat aagaatttgg gaacctgaat agctctgcaa 840  
aaaaacacaa aggaccgttt tatcgttttc tgtgttgct gtggtggagt gatgcagtgg 900  
gcactkccsg tgggccaggg ggcggtgctg catgtggtag aaggtgtgct ctcgtgcctc 960  
ccccacagaa aggttttgtt ggtttctacc acatcttggc ttgcttttgg aacaggctgg 1020  
ccccagcatc atttgtcatc aagtccactg tgggtgatcc tgcgtgtcca tggcgggggg 1080  
tctccaayac actcacactg tccatgttct ttttattgcc agggcccgtg ttgaagtgtc 1140  
aagagagcaa tcatcaatga taatgtattg tgtgagacct ttgcatcttg taaattttct 1200  
cttttttcta aaaataaata ataataaaat cctaaatctc aacaaa 1246

<210> 58  
<211> 1966  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1926)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1942)  
<223> n equals a,t,g, or c

<400> 58  
gggagaaaga tccttctactc acagaaccag ttattagggg gttaatgaaa ttttggccta 60  
aaacatgtag tcaaaaagag gtcattgttc ttggggactg gaagaaatat tggatgtgat 120  
tgaaccttca caatttggtt aaatccaaga acctttgttt aaacaaatcg ccaagtgtgt 180  
atctagcccc cattttcagg tggcagaaag agcactctat tattggaata atgaatacat 240  
catgagtttg atagargaaa actctaactg catccttccc atcatgtttt ccagccttta 300  
taggatttca aaagaacatt ggaatccggc tattgtggcg ttggtgtaca atgtgttgaa 360  
ggcatttatg gaaatgaaca gcaccatgtt tgacgagctg acagccacat acaagtcaga 420

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tcgtcagcgt gagaaaaaga aagaaaagga gcgtgaagaa ttgtggaaaa aattggagga 480
tctggagtta aagagaggtc ttagacgtga tggaataatt ccaacttaac aaaaacaatg 540
acaacaacat tactaacctg tggagtcaca cgtttatgta gtagaagatg gagcaacagt 600
tttctgtatt gtgcaacttt acagtagatt tcacctttgt ttcattatta cagcagcact 660
gtatatacct gtctcctaagt aaaggaaaaa aaaaaataag gacttcaatc caaagtttgg 720
acagtagatg gacttctcag aactttgcaa acataatcat tgttctcacc ctcttttaaa 780
aaaaaaaaatc ggtcttcaaa gatctgttga tgaaattgct atgttaaaat tccattatcg 840
ggagttcctt atttatcact agcagagagt atgatacaat tttcaaatgt gaacaatctt 900
aaatttagct tgtctttctg ctaagctgtt aaatgtattt atagtaaagg aagaaaaaaa 960
gactgtcatt tccttataag tttgtgtaac atcctcctct ggataacttg actgtaattt 1020
racatctttt tcttttgcac atcttcctga gttgaatgtc cacgtggaat ggggtcatga 1080
attataaaag tccctgataa aagttttgtt tactggggtg aacatctttc cagtaaccag 1140
gtagtcctgg tactccttta gttttaaaat taggagttaa gagagaagag gtgataaaca 1200
tagtagggaa gggaatatcg gattcatgca tcagtttatg gtgaatccaa atcaatgtct 1260
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tgcataatc attgaacaca cataccagag atgttttaga aatgtgagaa aaacatcctt 1380
ttggaccatt tgaaataaga aagacaaaaca ctaaacataa caaccatgaa attgatcacc 1440
gggattgcaa atctaattgg gaaaagagtt gagcaaacag cttggactgt ttggagttgt 1500
tgccttactt tttaatatgt atttataaag tattccagca aaagaggatg tagcctctgg 1560
gaaaaaacia acatgttaca gtgttttttg tagattctcg ttctatatct catcacagcg 1620
ccagccctgt ttttagccgg aaaggattca ggataaacat tattatgcat tctgaattgg 1680
atgcatattc ctaactactg tatttggttac caaaagtggg tctacaaatg ctactgaaaa 1740
aaatctggaa attcctaag tcctgagtat taataataaa gtttaaaaat gcttttatat 1800
caaaagtgca tcgtgaccaa attgtttaaa aaaaaaaac aaaaaaaca aaatctaggg 1860
ctgtatttta tatatatata tatatatata tatatatata tatatatata tatatatgct 1920
cttatnggac tctctgcttt gntattttaa taaaaaatct tacatc 1966

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<210> 59

<211> 1611

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 59

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cgcgtcngtg cgaattcggc acgaggggac ttcccagagc tcacaatgga ggttgatggg 60
aaggtagagt caattatgaa gaggacagct ttggtagcca atacctcaa tatgcctgtt 120
gtgcttagag aagccyctat ttatactgga atcacactgt cagagtactt ccgtgacatg 180
ggctatcatg tcagtatgat ggctgactct acctctagat gggctgaggc cttagagaaa 240
tctctggctg tttagctgaa atgcctgcag atagtggata tccagcctat cttggtgccc 300
gtctggcctc gttttatgaa cgagcaggca gggtgaaatg tcttgaaat cctgaaagag 360
aagggagtggt cagcattgta ggagcagttt ctccacctgg tgggtgatttt tctgatccag 420
ttacatctgc cactcttggg atcggtcagg tgttctgggg cttagataag aaactagctc 480
aacgtaagca tttccctct gtcaattggc tcacagcta cagcaagtat atgcgtgcct 540
tggtgaata ctatgacaaa cacttcacag agttcggtcc tctgaggacg aaagctaagg 600
aaattctgca ggaagaagaa gacctggcag aaattgtaca gcttgaggga aaggcttctt 660
tggcagaaac agataaaaatc actctggagg tagcaaaact tatcaaagat gatttcctac 720
aacaaaaatg atatactcct tatgacaggt tctgcccatt ctacaagaca gtagggatgc 780

```

```

tgtccaacat gattgcattt tatgatatgg ctctagatgt gtttgaaacc actgcccaga 840
gtgacaataa aatcacatgg tccattattc gtgagcacat gggagacatc ctctataaac 900
tttcctccat gaaattcaag gatccactga aagatgggtga ggcaaagatc aaaagcgact 960
atgcacaact tcttgaagac atgcagaatg cattccgtag ccttgaagat tagaagcctt 1020
gaagattaca actgtgattt ccttttcctc agcaagctcc tatgtgtata ttttcctgaa 1080
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ctttcctcat ctctattaaa ttgtaaacag gactactgca tgtactctct ttgcagttaa 1380
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tttctattgt ggtaagctca ttggcagctt agcattttgc aaaggaattg ctttgcagga 1500
aatatttaat tttcaaaaac ataattgatta atgttccaat tatgcatcac ttccccagk 1560
ataaaycagg aatgkttgtg agaaaccatt gggaaactata ctctttttta a 1611

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<210> 60

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1846)

<223> n equals a,t,g, or c

<400> 60

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agacctcagt cacctattac cggttgagg aggtggcaaa gcgcaactcc ttgaaggaac 180
tgtggcttgt gatccatggg cgagtctacg atgtcaccgg cttcctcaac gagcaccctg 240
gaggagaaga gggtctgctg gaacaagctg gtgtagatgc aagtgaagc tttgaagatg 300
taggacactc ttctgatgcc agagaaatgc taaagcagta ctacattggg gatatccatc 360
cgagtgaacct taaacctgaa agtggtagca aggacccttc aaaaaatgat acatgcaaaa 420
gttgctgggc atattggatt ttacccatca taggcgctgt tctcttaggt ttccctgtacc 480
gctactacac atcggaaagc aaatcctcct gagggaggcct tgctgaagtt agaaagtgca 540
tccacttttg ggcgaaaact agagacttgc ttgggggctg cagaagtgcc ctctcctcga 600
atcctgccag ttgcattctt ccccttgga gccaaagacga ttggccagac atcacctcag 660
atctgagacc agcgtcttcc atctctcaga gccttactcc caaagtacct gctcactgtt 720
ccgtgttgaa caattgcggg tgttctctct cttcactggg ttccatgagt acccttatat 780
ttcacactt tctgttcata agttatagtg acattgctct ttggtaaaaa tgcctgcttt 840
ccaatacttt gattgcatat tagacattct taacaggggc gcagtcagt gttgaaagtt 900

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```

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tgtgtgtggct caggccngta atockggcac ttkgggrggc caaggtggga agatcgsttg 1020
aggccaagag ttcaagacca gcctgggcaa catagcgaga cccctatctg tattaaaaaa 1080
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aaagctttca ctttggtttg gcaccagttt ctaaccatct gttttttcta ccctagctat 1500
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aagtgagagt tcatgacaac agaccgtttt ccatttcac tgtattttat ctccgtgact 1740
ccaactgtg gggttgttct gtttttccat gagaataaaa tactggcggg ttttttcaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggngnga 1849

```

<210> 61

<211> 233

<212> DNA

<213> Homo sapiens

<400> 61

```

aagggtcggc ctctcaaagt gctgggatta caggcattag ccactgtgcc tggccaagaa 60
taaaaatttt ttaatcttga gaaraacat acagktcata catataaaaa gccttgaaaa 120
tattattccc ttgactcac taattacact gctggaatat aaagaaatga tcctaaatat 180
atatgtagtt ttatggtcct aaatatgtat aaagctttat gatcactcgt gcc 233

```

<210> 62

<211> 2333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<400> 62

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ttagccatat attttgaggt tgtcaatcag cataatgctc caattcytca aggagggcgt 120
ggtgcaatcc agtttggtgac tcagtatcag cattcaagtg ggagagagac catccgagtg 180
accaccattg ctaggaactg ggcagatgct caaactcaaa tccaaaacat tgctgcatct 240
tttgaccagg aggagctgct cattcttatg gcccggttag caatatatag agcagaaaca 300
gaagaaggtc cagatgtgct taggtggctg gacagacagc tcattcgact gtgtcagaaa 360
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tatccacagt ttatgtttca tttaagaaga tcttctttcc tgcaagtttt taacaatagt 480
cctgatgaga gttcatatta tcgtcaccat tttatgcgtc aagatctgac ccagtctcta 540
attatgattc agcctatcct gtatgcgtat tcttttagtg gaccaccaga gccggttctt 600
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gagtatgaaa atttccgcca cctctgcaa gcccagtggt atgatgcaca ggaaattctt 780
cactccagat ttccaatgcc aagatacatt gacactgaac atggaggcag ccaggcccgt 840
ttcctccttt caaaagtcaa cccttcacag actcataata atatgtatgc ctgggggcag 900
gagtcctggag cacttattct tacagatgat gttagtttac aagtgtttat ggatcacttg 960
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tgaacacaat catatgatgg taaagcagaa acttaagaaa aaattgttta tgtgttatat 2220
tcaattagct taaataagtt gctttgttat attttatttg aattgaacta cgctaggcct 2280
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aaatgccaat aaaatataact ttctactgtt aaaaaaaaaa aataaanacc nta 2333

<210> 63

<211> 1470

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<400> 63

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ccttctacaa tggttgatc ctcttcctgg ctgtgctcgc catccctgtg tgtgccgtgc 120  
gaggacgcaa cgtcgagaac atgamgatct tgcgtctaata gctgctccac atcaaatacc 180  
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ttgttgctc caaccaccag agctctctcg atctgcttg gatgatggag gtactgccag 300  
gccgctgtgt gccattgcc aagcgcgagc tactgtgggc tggctctgcc gggctggcct 360  
gctggctggc aggagtcac ttcacgcacc ggaagcgcac gggggatgcc atcagtgtca 420  
tgtctgaggt cgcccagacc ctgctcacc aggacgtgag ggtctgggtg ttctctgagg 480  
gaacgagaaa ccacaatggc tccatgctgc ccttcaaacg tggcgccttc catcttgagc 540  
tgcaaggcca gggtccatt gtcccatag tcatgtctc ctaccaagac ttctactgca 600  
agaaggagcg tcgcttcacc tcgggacaat gtcagggtgc ggtgctgcc ccagtgccca 660  
cggaagggtc gacaccagat gacgtcccag ctctggctga cagagtccg cactccatgc 720  
tactgtttt ccgggaaatc tccactgatg gccgggggtg tggtgactat ctgaagaagc 780  
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cccacacctt cccaccagt gggccctgaa gcagggcmaa accctcttcc ttgtctcccc 900  
tctccctact tattctctc tttggaatc tcaacttctg aagtgaatgt ggatacagcg 960  
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tgacccccac ctctactgt cttgtctgtg ggacagttgc ctccccctca tctccagtga 1080  
ctcagcctac acaaggagag ggaacattcc atccccagt gagtctcttc ctatgtggtc 1140  
ttctctaccc ctctaccca cattggccag tggaactcct cattctttg aacaaatccc 1200  
ccccactcca aagtccatgg attcaatgga ctcatccatt tgtgaggag acttctcgcc 1260  
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accttcacct tccctccag tgtagcctcc tgctcagtg ggtgggagc ttctaattca 1380  
gaggtctcat gcctgccctt gccagatgn ccanggtng tgcamtytyt ggggatacca 1440  
gttcagtctc camatttytg ggttlytggt 1470

<210> 64

<211> 939



<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<400> 64  
agnntaccgg ntccggaatt cccgggtcgg acccacgcgt ccggtctcct cagaagtcgc 60  
ttagctcttc ggtggttgtc acacgtccgg aggcctagcc gtcgctacc taggatgccg 120  
cgtggaagcc gaagccgcac ctcccgcatg gcccctccgg ccagccgggc ccctcagatg 180  
agagctgcac ccagccagc accagtcgct cagccaccag cagcggcacc cccatctgca 240  
gttggtctct ctgctgctgc gcccggcag ccaggtctga tggcccagat ggcaaccact 300  
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<210> 65  
<211> 2068  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (308)  
<223> n equals a,t,g, or c

<400> 65  
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acaagccctg aacgagcacc tcagcacgcg tagtatgtcc aggggtactc actgtccca 180  
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gtggctcggg ggttcaggca catagaagcg ctccctgggta rcccctgtgg caaaggccag 300
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<210> 66

<211> 1391

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>  
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<222> (25)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<222> (1343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1358)  
<223> n equals a,t,g, or c

<400> 66  
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<210> 67  
<211> 659  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (585)  
<223> n equals a,t,g, or c

<400> 67  
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<210> 68  
<211> 2981  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2858)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2948)  
<223> n equals a,t,g, or c

<400> 68  
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&lt;210&gt; 69

&lt;211&gt; 603

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (590)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (595)  
<223> n equals a,t,g, or c

<400> 69  
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agc 603

<210> 70  
<211> 1101  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1080)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1081)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1090)  
<223> n equals a,t,g, or c

&lt;400&gt; 70

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&lt;210&gt; 71

&lt;211&gt; 714

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 71

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&lt;210&gt; 72

&lt;211&gt; 2890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (555)

&lt;223&gt; n equals a,t,g, or c

<220>  
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<220>  
 <221> misc feature  
 <222> (2882)  
 <223> n equals a,t,g, or c

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<211> 2488

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (446)

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<221> misc feature

<222> (2382)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2412)

<223> n equals a,t,g, or c

<400> 73

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&lt;210&gt; 74

&lt;211&gt; 711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (696)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 74

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 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (362)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (889)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (894)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (897)  
 <223> n equals a,t,g, or c

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<210> 76

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 76

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acccatgggt agctaactat gatagtgaat gttgccttga acctgttttt agaaaaatgg 240  
caagtgtggg tctcactctt ctagttcctg a 271

<210> 77

<211> 673

<212> DNA

<213> Homo sapiens

<400> 77

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<210> 78

<211> 367

<212> DNA

<213> Homo sapiens

<400> 78

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367

&lt;210&gt; 79

&lt;211&gt; 1344

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1319)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 79

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&lt;210&gt; 80

&lt;211&gt; 3748

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 80

```

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aaaaaaaaaa aaaaaaaaaa aaaaaaac 3748
```

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<210> 81
<211> 1891
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> (1869)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (1879)
<223> n equals a,t,g, or c
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<210> 82

<211> 1954

<212> DNA

<213> Homo sapiens

<400> 82

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<210> 83

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)



<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (930)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<400> 83

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<210> 84

<211> 1513

<212> DNA

<213> Homo sapiens

<400> 84

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&lt;210&gt; 85

&lt;211&gt; 1298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 85

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&lt;210&gt; 86

&lt;211&gt; 2009

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1959)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2008)  
<223> n equals a,t,g, or c

<400> 86  
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<212> DNA  
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<220>  
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<222> (4270)  
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<220>  
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<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4296)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 88

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&lt;210&gt; 89

&lt;211&gt; 2782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (82)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (743)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 89

```

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cggcacctgt taccttgtgt gattcatgca gctgtactca aggtaaagga agaagaaagt 300
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gttttgcact tcccaaatcc agaagacaag aaattggaag aaatcattca ccagattact 420

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taaagtcagc aatgccataa aa
2782

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&lt;210&gt; 90

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 90

```

aattcggcac gagctgtctg cgaagtggcc cttgattaca aaaagaagaa acacacctaa 60
acactttatc tccaagttac aaaagtttga ggtgcagagg gaaggccaga tttttttttt 120
aatgaaatta tatagattag atctcagtat ttaaactggt cctcaatttt gtgaggctgt 180
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aacggggggg ggcccgg                                     1037

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<210> 91

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1048)

<223> n equals a,t,g, or c

<400> 91

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ggagccacac cgcagnaagc acacgccctt ttgagccaga catgctgact ttctaataag 120
gatgttctct ctccacagct gaaagatgaa aattctaagc tgagaagaaa gctgaatgag 180
gttcaragct tctytraagc wcawacagaa atgggtgagga cgcttgagcg gaagttagaa 240
gcaaaaatga atcaaggagg aaagcgacta ccacgacctg gagtcggtgg ttcagcaggt 300

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ggagcagaac ctggagctga tgaccaaacg ggctgtaaag gcagaaaacc acgtcgtgaa 360
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agttaaagac gaggaggaag actcttgagg acccctgggt gttctcagca tgaagctccg 660
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```

<210> 92

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1115)

<223> n equals a,t,g, or c

<400> 92

```

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gttctctcgc gcggtgtcgc ctgggtgtgc ggcctggacc ttgcagccgc aatggattca 120
agttcgaaat atggcaactt tgaaagatat caccaggaga ctaaagtcca tcaaaaacat 180
ccagaaaatt accaagtcta tgaaaatggt agcggcagca aaatatgcc gagctgagag 240
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tatcaagggg cctgaagaca agaagaaaca cctccttatt ggtgtgtcct cagatcgagg 360
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caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1234

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<210> 93

<211> 1571

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1497)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1516)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1546)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1571)  
<223> n equals a,t,g, or c

<400> 93  
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aggctctgtc agcttttgtc actccctgat ttcttattct ttgttacctt ttttcgcctg 180  
actgattttt acttggcatt taagttcccc ttagcactgc cagattctaa aaggttatat 240  
tcttttttaa aaagaagaga aagaaagaag gaaagaagac aaagaaagaa taaaaacctc 300  
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gtttgaatta ctaatagtgg ggaataataa tttcagtttt ggttttaaac atctggnatt 1500  
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aaaggggggg n 1571

<210> 94

<211> 1872

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1271)

<223> n equals a,t,g, or c

<400> 94

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aaattacttg agctctgtgc tttgaaacca gtttgataag tcctttacta aggagctcct 240  
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cgagactagc gg                                     1872

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<210> 95

<211> 1516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1505)

<223> n equals a,t,g, or c

<400> 95

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gccgaatctc cctaattcct gtgacctgtg tcacctctgc atcgcgagga gggggataag 180
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<210> 96

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<400> 96

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<210> 97

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>  
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 <222> (293)  
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<220>  
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 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (938)  
 <223> n equals a,t,g, or c

<400> 97  
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<210> 98  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (297)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<400> 98  
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accaaactctc accgctgtct ctttcgtccc cagctccagg ccatgcccgc agccggaggt 180  
gtgctctacc agccctcggg accagccagy ttccccagca ccttcagccc ygccggctcg 240  
gtggagggct ccccaatgca cggcgtgtac atgagccagc cgggccctgc cgctgggnccc 300  
taccaccagna t 311

<210> 99  
<211> 620  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (570)  
<223> n equals a,t,g, or c

<400> 99  
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cgtttgttca matggagaag gaagcagatg ccaaagccgc aatcgcgag ttcaacggca 480  
aagaagtga gggcaagcgc atcaacgtgg aatctycacc aagggtcaga agaaggggcc 540  
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cctggaatgg tggctttctg 620

<210> 100  
<211> 2511  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2511)

<223> n equals a,t,g, or c

<400> 100

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<210> 101

<211> 2981

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<400> 101

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&lt;210&gt; 102

&lt;211&gt; 2804

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 102

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```

&lt;210&gt; 103

&lt;211&gt; 722

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 103

```

cgggaagagg cggacagcga ggccaagatt tcagctgcgg gacggtcagg ggagacctcc 60
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gccctgtggc tgggygcggt gggcgtgggc gtcgccgagc tcacggaagc ccagcgccg 180
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accgctgcgg gtggtaacca gtggaagacc ccagcccca gggagaggaa cccgttctat 660
ccccagccat gataataaag ctgctctccc agctgcctct caaaaaaaaaa aaaaaaaaaa 720
aa 722

```

&lt;210&gt; 104

&lt;211&gt; 1636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 104

```

tacggctgcg agaagacgac agaagggggg ctatctgaag aggacgggga cgggagcctg 60

```

```

ctctacagcg tggtaaacac ggccgagcga cgctgatgag gaggagaccc acccggtgac 120
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cgttttctaa ctggraaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaggggg gggggg 1636

```

&lt;210&gt; 105

&lt;211&gt; 1561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 105

```

caggcgggaa catggccacc gagacccaaa tgtggtgcc ggtcctccca agccagcaaa 60
ggagaaacct cccaaaaaga aggccagga caaaattctt agtaatgagt atgaggagaa 120
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tccccctaaa aaagcaaagg agtctaaaaa gcatgaaaag cttgagaaac cagagaagga 240
gaagaaaaaa aagatgaaga atgagaacgc agacaagtta cttaagagtg aaaagcaaat 300
gaagaagtct gagaaaaaga gcaagcaaga gaaagagaag agcaagaaga aaaaaggagg 360
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```

```

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tactgagcag aaatatgtaa ccttagactc agccagtttc ctctgcagct gctaaaacta 1500
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t                                                                                   1561

```

&lt;210&gt; 106

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 106

```

tcgacccacg cgtccgccca cgcgtccgga aagcagtgtc aagacagtaa ggattcaaac 60
catttgccaa aaatgagtct aagtgcattt actctcttcc tggcattgat tgggtgtacc 120
agtggccagt actatgatta tgattttccc ctatcaattt atgggcaatc atcaccaaac 180
tgtgcaccag aatgtaactg ccctgaaaagc tacccaagtg ccatgtactg tgatgagctg 240
aaattgaaaa gtgtaccaat ggtgcctcct ggaatcaagt atctttacct taggaataac 300
cagattgacc atattgatga aaaggccttt gagaatgtaa ctgatctgca gtggctcatt 360
ctagatcaca accttctaga aaactccaag ataaaaggga gagttttctc taaattgaaa 420
caactgaaga agctgcatat aaaccacaac aacctgacag agtctgtggg cccacttccc 480
aatctt                                                                                   486

```

&lt;210&gt; 107

&lt;211&gt; 800

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 107

```

cttgtatctg atcgttctaa aaaagagttg tccccggttt taaccagtga agttcatagt 60
gttcgtgcag gacggcatct tgctacaaa ttgaatattt tagtacagca acattttgac 120
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acattgaatt acactattgt actggagctt atcggatttc acctgtagat gtaaatagta 300
gaccttcctc ctgccttact aattttcttc taaatggtcg ttctgtttta ttggaacaac 360
cacgaaagtc aggttctaaa gtcattagtc atatgcttag tagccatgga ggagagattt 420
ttttgcacgt ccttagcagt tctcgatcca ttctagaagr tccaccttca attagtgaag 480
gatgtggagg aagrgttaca gactaccgga ttacagattt tgggtgaattt atgagggaaa 540
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caaaccacca tttttaacak gcaagcggtg gttccattag ccagtgttat tgtggaaaaga 720
tcyctggaca gaggaagatg tggttwaaac ggtccaaaaa acatwttcca acttggttgg 780
ataaggggaa ggaaaaaagg                                                                                   800

```

&lt;210&gt; 108

&lt;211&gt; 1058

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1054)

<223> n equals a,t,g, or c

<400> 108

```

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cgggcccccgc gcgggggatcc ggctggaaga gagcgtacac ggctcgcacg agtccggggc 180
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gcgcamcccg ggcccagccc agaccytaty ccttccttcc tgggctggar gtaktaacag 300
gatccactca ccctgcgag gcagcaccag aggagggctc cctggaggag gcggcaaccc 360
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tccccacaga agctgtgaca tgccagcctc aggggaaccc ttgggctgca cccacttct 480
gccgaatgac tctggccacc cctcagagct gggcggcacc agacgggagg ggaatggtgc 540
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ggaagactgc tgtgtccact gcatectgtc ctgcctgttc tgcgagttcc tgacgctgtg 720
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aagccccctc ccctggctcct ctctaccaca ccntgtgc 1058

```

<210> 109

<211> 1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 109

```

caggaggaag caggaagaaa caggaggagg aacctgagac agagccgctg aagtccttgc 60
tggaagcaga tgggattaaa tgagcgacga gactgggaga gtgccagaga gagacaccaa 120
gaggatgcag gtctgtctgc tatcagctat gccgctgccc gttgcgctgc agaccgctt 180

```

```

ggccaagaga ggcatcctca aacatctgga gcctgaacca gaggaagaga tcattgccga 240
ggactatgac gatgatcctg tggactacga ggccaccagg ttggagggcc taccaccaag 300
ctggtacaag gtgttcgacc ctctctgctg gctcccttac tactggaatg cagacacaga 360
ccttgatatcc tggtctctccc cacatgaccc caactccgtg gttaccaaata cggccaagaa 420
gctcagaagc agtaatgcag atgctgaaga aaagttagac cggagccatg acaagtcgga 480
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gaaggcagta agccgaaaag atgaagagtt agaccccatg gaccctagct catactcagn 780
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa waaaaaaatt ttgggggggg cccctt 1076

```

<210> 110

<211> 1199

<212> DNA

<213> Homo sapiens

<400> 110

```

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gatggggccgg gcagggacca tggcgggtggc agcagaggtg gcagggggcg ggcggtctggc 120
ggtagaggag gctgtggtcc tcagggggct gtaggtggag gtatggctcg ggccagcagc 180
gggaacggca gcgaggaggc ctggggggca ctctggggcg cgcaacagca gcttcgagag 240
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actggctgct gcacctacta ctatgagctc tggtggttct ggctgctctg gactgtcctc 360
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gcactacccc cagagtctgt accgcagatc ttcccatgg ggctgtcttc cagtgaagg 960
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gctggagagg ggcagtattg ggggactgtg ctagctttac cccgcagga catacacagg 1140
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```

<210> 111

<211> 3630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3608)

<223> n equals a,t,g, or c

<400> 111

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cggccgctcc tcgctgcgct tcgcctccgc ctccctcgac tcggactcgg gtttatatcg 180
cgctcactt catcccagtc ccgggcgagc agcgttgggg ttatgtcttt atttgacgaa 240
aacgacagaa gatacaaaaa agttgcaatc aaagatctct tcatcttatt gataaagcca 300
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caagatgccc cgtctgattg ccaaggttga gggcaaaggc aatggaatca agacagttaa 420
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```



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gtttgttctg taatgccttt tacatttga cacaatggtt atsccttttt ttggtgtaag 2640
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cttttaattc gagggaaaac atgttcaggg cttctagaac actaaaaaat ttggcttaaa 3420
ccagtgttca gtctggtgcc aaacttcgaa tggaatacaa attcacataa tctgaacttt 3480
gttcacaggt tatcctaata gagtaattct tcactttgct ctattgaact gtcttaagga 3540
tttgtttaaa cagctaagtt acttgattaa aataatgata aaattgtaaa aaaaaaaaaa 3600
aaaaantnct gsggtccgct aagggaattc 3630

```

<210> 112

<211> 1526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1515)

<223> n equals a,t,g, or c

<400> 112

```

tcgaccacg cgtccgcagc aggccctgcg cgcggcaaca tggcgggggc cagggtggagg 60
tcttgaggct atcagatcgg tatggcattg gcgtccgggc ccgcaaggcg ggcgctagct 120
ggctccgggc agctcggcct tgggggcttc ggggccccga gacgcggggc gtatgagtgg 180
ggcgtgcgct ccacgcggaa gtcggagcct cctcccctgg atagggtgta cgagatccct 240
ggactggagc ccataccctt tgcggggaag atgcacttgc tgccctggct ggcgcggcg 300
atctttccgc cctgggaccg cggctacaag gacccaaggt tctaccgctc gccccctctt 360

```

```
cacgagcadc cgctgtacaa agaccaggcc tgctatatct ttcaccaccg ttgccgcctt 420
ctcgagggtg taaagcaggc cctctggctc accaagacca agttaataga aggccttccc 480
gagaaagtgc ttagccttgt tgatgatcca aggaaccaca tagagaacca agacgagtgc 540
gttctgaatg tgatctctca cgcccgctc tggcagacca ctgaggaaat cccaagaga 600
gagacctact gcccggtcat cgtggacaac ctaatacagc tgtgtaaatc tcagattctc 660
aagcatcctt ctctggccag gaggatctgt gtccaaaact ccacgttttc tgctacctgg 720
aaccgagagt ctcttctcct tcaagtccgt ggttctggtg gagcccgact gaggactaag 780
gatcctctgc ccaccatcgc ctccagagag gagattgaag ctactaagaa tcatgttcta 840
gagaccttct accccatata acccatcatc gatcttcatg aatgcaatat ttatgatgtg 900
aaaaatgaca caggattcca ggaaggctat ccttaccctt atccccatac cctgtactta 960
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ccctcttgcc tctcttccac ggaagaggcc tgggccccgt ggagcctcag tgcccgtttg 1440
gcctgctgct ctcgctgaca ataaagagcc cttgcgttgc aaaaaaaaaa aaaaangggg 1500
ggccgctcaa nnggncccaa gttagt 1526
```

&lt;210&gt; 113

&lt;211&gt; 585

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 113

```
tcgaccacag cgtccgccca cgcgtccgcc cacgcgtccg ggagcccggg gacaggatgt 60
tgggtgttgt attaggagat ctgcacatcc cacaccgggt caacagtttg ccagctaaat 120
tcaaaaaact cctggtgcca ggaataatc agcacattct ctgcacagga aacctttgca 180
ccaaagagag ttatgactat ctcaagactc tggctggtga tgttcatatt gtgagaggag 240
acttcgatga gaattctaat tatccagaac agaaagtgtg gactgttggg cagttcaaaa 300
ttggtctgat ccatggacat caagttattc catggggaga tatggccagc ttagccctgt 360
tgcagaggca atttgatgtg gacattctta tctygggaca cacacacaaa tttgaagcat 420
tngagcatga aaataaatc tacattaatc caggttctgc cactggggca tataatgcct 480
tggaacaaa cattattyca tcattgtgtt gatggatatc caggcttcta cagtggkcac 540
ctatgtgtaa tcagctaatt ggagatgaag tgaaagtaga acgga 585
```

&lt;210&gt; 114

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 114

```
gatgaaaaga aggtttttgc tcttcaaagt cttaagtaaa ctaaaaggca gagctggaaa 60
taaagcccgt attgtggact ccaagtaagt ctctttctgc tacaccatac tttgtggtgt 120
```

```

ctgctcccat gtgcttcttc gctaaggctg atcaaaaaag ttagtaggtt gcttcagcta 180
taagaatttg atggtcttcc ttagtcatca tagtctgcag caatcatttt tgttcatcat 240
tggtgatgtc gcttactcct gttgagtaaa tgtgatctat tcacccttgg ragctccttg 300
cacaccaaca gtattcttgg atagggacaa gtgttgctta agtcagtgc gatttcttta 360
gcataataaa aggtccatg taggatgcta atacttgagt gaaatatgct tcataagcag 420
ccttgttttg acagagttgg tgtaaagtga ggttatgtct tggcctgagc gtcttcaaag 480
catgtgccac tttgtgcac t 501

```

<210> 115

<211> 1965

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 115

```

agaggcggca ctggcggcaa gagcagacgc ccgaaccgag cgagaagagc ggcagagcct 60
tatcccctga agccgggccc cgcgtcccag mcctggccca aaggcaggag cagcagacaa 120
gagtgcagtg gtggctgccg ccgcaccagc ctcatgtgga gatgacacac cccccccga 180
gcgtcggaac aagagcggta tcatcagtga gcccctcaac aagagcctgc gccgctcccg 240
cccgtctctc cactactctt cttttggcag cagtgggtgt agtggcgggt gcagcatgat 300
gggcggagag tctgctgaca aggccactgc ggtgcancc tgnccctcct gttggccaat 360
gggcatgacc tggcggcggc catggcgggt gacaaaagca accctacctc aaagcacaaa 420
agtgggtgct tggccagcct gctgagcaag gcagagcggg ccacggagct ggcagccgag 480
ggacagctga cgctgcagca gtttgcgag tccacagaga tgctgaagcg cgtggtgcag 540
gagcatctcc cgctgatgag cgaggcgggt ctggcctgc ctgacatgga ggctgtggca 600
ggtgccgaag ccctcaatgg ccagtccgac ttcccctacc tgggcgcttt ccccatcaac 660
ccaggcctct tcattatgac cccggcagggt gtgttcctgg ccgagagcgc gctgcacatg 720
gcgggccttg ctgagtaccc catgcaggga gagctggcct ctgccatcag ctccggcaag 780
aagaagcggg aacgctgcgg catgtgcgag ccctgccggc ggcgcaccaa ctgcgagcag 840
tgcagcagtt gtaggaatcg aaagactggc catcagattt gcaaattcag aaaatgtgag 900
gaactcaaaa agaagccttc cgctgctctg gagaaggtag tgcttccgac gggagccgcc 960
ttccggtggt ttcagtgcag gcggcgggaa ccaaagctgc cctctccgtg caatgtcact 1020
gctcgtgtgg tctccagcaa gggattcggg cgaagacaaa cggatgcacc cgtctttaga 1080
acaaaaata ttctctcaca gatttcattc ctgtttttat atatatttt tttgttgcg 1140
ttttaacatc tccacgtccc tagcataaaa agaaaaagaa aaaaatttaa actgcttttt 1200
cggaagaaca acaacaaaaa agaggtaaaag acgaatctat aaagtaccga gacttccttg 1260
gcaaagaatg gacaatcagt ttccttcctg tgcgatgtc gatgttgtct gtgcaggaga 1320
tgcagttttt gtgtagagaa tgtaaatttt ctgtaacctt ttgaaatcta gttactaata 1380
agcactactg taatttagca cagtttaact ccacctcat ttaacttcc tttgattctt 1440
tccgaccatg aaatagtgca tagtttcctt ggagaatcca ctcacgttca taaagagaat 1500
gttgatggcg ccgtgtgaaa gccgctctgt atccatccac gcgtgcagag ctgccagcag 1560
ggagctcaca gaaggggagg gagcaccagg ccagctgagc tgcaccacaa gtcccagagc 1620

```

```

tgggatcccc caccccaaca gtgatttttg aaaaaaaaaat gaaagtcttg ttcgtttatc 1680
cattgcgatc tggggagccc catctcgata ttccaatcc tggctacttt tcttagagaa 1740
aataagtcct tttttcttg ccttgctaata ggcaacagaa gaaagggctt ctttgcgtgg 1800
tccccctgctg gtgggggttg tccccagggg cccctgcgc ctgggcccc ctsccacggc 1860
cagcttcctg ctgatgaaca tgctgtttgt attgttttag gaaaccaggc tgttttgtga 1920
ataaaacgaa tgcatgtttg tgtcacgaar maaaaaaaaa aaaaaa 1965

```

<210> 116

<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1060)

<223> n equals a,t,g, or c

<400> 116

```

gaaacacata cattggatat gggaagatgg cggtgtgtgc ggtgtatgct ccaccagttg 60
gaggtcttctc ttttgataac tgccgcagaa tgccgtcttg gaagccgatt ttgcaaagag 120
gggatacaag cttccaaagg yccggaaaac tggcacgacc atcgctgggg tggctctataa 180
ggatggcata gttcttgagg cagatacaag agcaactgaa gggatggttg ttgctgacaa 240
gaactgttca aaaatacact tcatactctc taatatattat tggtgtggtg ctgggacanc 300
tgacagacaca gacatgacaa cccagctcat ttcttccaac ctggagctcc actccctctc 360
cactggccgt cttccagag ttgtgacagc caatcggtg ctgaagcaga tgcttttcag 420
gtatcaagggt tacattgggtg cagccctagt tttaggggga gtagatgtta ctggacctca 480
cctctacagc atctatcctc atggatcaac tgataagttg ccttatgtca ccatgggttc 540
tggctccttg gcagcaatgg ctgtatttga agataagttt aggccagaca tggaggagga 600
ggaagccaag aatctggtga gcgaagccat cgcagctggc atcttcaacg acctgggctc 660
cggaagcaac attgacctct gcgtcatcag caagaacaag ctggattttc tccgcccata 720
cacagtgcctc aacaagaagg ggaccaggct tggccggtac aggtgtgaga aagggactac 780
tgacgtcctc actgagaaaa tcaactctct ggagattgag gtgctggaag aaacagtcca 840
aacaatggac acttcctgaa tggcatcagt ggggtggctgg ccgcggttct ggaagggtgg 900
gagcattgag gccagtaag aactcatgt ggctagtgtt tgccgaatga aactcaactc 960
aataaaaaaac aaaaaccaaa ttgggcagct gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1060

```

<210> 117

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

&lt;400&gt; 117

```

aattcggcac gagaacatcc attctaaagg gctactgtcc caaatcctgt gtgtcctttt 60
gacttgtctg atcacccaat ggaagtggat acttgtaaag tctacaccac tgtacttggc 120
gttaaatctt gctgaattcg tggtaagctg ttaccatgtc tacattttgt agantgattt 180
tggctctgcag caaaattcga ttctacttct cataccctt tccttccact tgaaatgcaa 240
tttagacaga ggccctgtgg tgaaagtgc aatattaagt ttmcctttag aagatcccyt 300
cctcaaacct cagaaccct agcagtgtta ccctwaaaca aaaatgagct cgagaaaaaa 360
gtagctcagt tacagagaag caaatcgagt ttttcccca cataaaaagt tccccagat 420
tctaagaatt gcagtatcct gtaccctaaa atttttcaag gtgactcctg ttgtcgtctg 480
ttgataactt taataaaggc catttaagga cataagtttt taaagactcc caaagtgaag 540
cttaaacatt ttcgggatta tcgattgcat atatcagttt atgctgtgtg ctgaattact 600
atgccatgtg ctatttttagt gtttggggaa aatgaaaaat aaaatttgtt ctttagctta 660
ataaatatgt cttattttta aaaaaaaaaa aaaaaactcg agactagct 709

```

&lt;210&gt; 118

&lt;211&gt; 2053

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (813)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2049)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 118

```

ctccttggcg cctgtcccca cggccccgc agcgtgacca cgatgctccc catacccac 60
ccattcccga tacaccttac ttactgtgtg ttggcccagc cagagtgagg aaggagtgtg 120
gccacattgg agatggcggg actgagcaga catgccccca cgagtagcct gactccctgg 180
tgtgtcctcg gaaggaagat cttggggacc cccccaccgg agcacacca rggatcatct 240
ttgcccgtct cctggggacc cccaagaaa tgtggagtcc tcgggggccc tgactgatg 300
cggggagtgt gggaagtctg gcggttggar ggggtgggtg ggggcagtgg gggctggcg 360
gggggagttc tggggtagga agtggctccg ggagattttg gatggaaaag tcaggaggat 420
tgacagcaga cttgcagaat tacatagaga aattaggaac ccccaaattt catgtcaatt 480
gatctattcc ccctctttgt ttcttggggc atttttcctt tttttttttt ttttgtttt 540
tttttaccct tccttagctt tatgcgtca gaaaccaaatt taaaccccc ccccatgtaa 600
caggggggca gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtcctg 660
ccccccgcca tttatcgccc tgattggatt ttgtttttca tctgtccctg ttgcttgggt 720
tgagttgagg gtggagcctc ctggggggca ctggccactg agcccccttg gagaagtacg 780
aggggagtgg agaaggccac tgtccggcct ggnntctggg gacagtggct ggtccccaga 840
agtctgagg gcggaggggg ggggtgggca gggctcctc aggtgtcagg aggggtgctg 900
gagccacag gagggggctc ctggctggcc tgaggctggc cggaggggaa ggggctagca 960
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ggaaccttcc cctctccctc ggtgacatct tgcccgcctc tcagcaccct gccttgtctc 1080
caggagggtcc gaagctctgt gggacctctt gggggcaagg tggggtagag ccggggagta 1140
gggagggtcag gcgggtctga gccacagag caggagagct gccaggctcg cccatcgacc 1200

```

```

agggtgcttg ggccccggag cccacgggtc tggatgatgcc atagcagcca ccaccgccc 1260
gcctagggct gcggcagggg ctcggcctct gggaggttta cctcgcccc acttggtccc 1320
ccagctcagc cccctgcac gcagcccgac tagcagtcta gaggcctgag gcttctgggt 1380
cctggtgacg gggctggcat gaccccgggg gtcgtccatg ccagtcggcc tcagtcgag 1440
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gagccaaatt gtcacaattg tgaaccac attggcctga gatccaaac gcttcgaggc 1560
accccaaatt acctgcccac tcgtcaggac acccaccac ccagtgttat attctgcctc 1620
gccggagtgg gtgttcccgg gggcacttgc cgaccagccc cttgcgtccc caggtttgca 1680
gcttccccct gggccactaa ccatcctggc cgggctgccc tgtctgacct ccgtgcctag 1740
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cttgggtccc ctcctctgcc atcacctgaa gacccccacg ccaaacactg aatgtcacct 1860
gtgcctgccc cctcggtcca cttgcggccc gtgtttgact caactcagct cctttaacgc 1920
taatatttcc ggcaaaatcc catgcttggg ttttgcctt aacctgtaa cgcttgcaat 1980
cccaataaag cattaataag catraaaaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 2040
ggggggggnc cgg                                     2053

```

&lt;210&gt; 119

&lt;211&gt; 1824

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

```

agttcctagc aagctgttca caagattgcc tgataagaat atggaagctg tatataaagt 60
caacatcttt agaaactcag gatgacgata acataagact gaaggaaaat acttttacca 120
tagaaaatga aaagtgttaa aatagcattt gctgttactc tggagacagt gctagccggt 180
catgaaaact gggtaaatgc agttcactgg caacctgtgt ttacaaaaga tgggtgccta 240
cagcagccag tgagattatt atctgcttcc atggataaaa ccatgattct ctgggctcca 300
gatgaagagt caggagttag gctagaacag gttcagtag gtgaagtagg tgggaatact 360
ttgggatttt atgattgcca gttcaatgaa gatggctcca tgatcattgc tcatgcttcc 420
cacggagcgt tgcacctttg gaaacagaat acagttaacc caagagagtg gactccagag 480
attgtcattt caggacactt tgatggtgtc caagacctag tctgggatcc agaaggagaa 540
tttattatca ctgttggtag tgatcagaca actagacttt ttgctccatg gaagagaaaa 600
gaccaatcac aggtgacttg gcatgaaatt gcaaggcctc agatacatgg gtatgacctg 660
aaatgttttg caatgattaa tcgggttcag tttgtatctg gagcagatga aaaagttctt 720
cgggtttttt ctgcacctcg gaattttgtg gaaaattttt gtgccattac aggacaatca 780
ctgaatcatg tgctctgtaa tcaagatagt gatcttccag aaggagccac tgtccctgca 840
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gaggagctgt taactagtac tgggtttgag tatcagcagg tggcctttca gccctccata 960
cttactgagc ctcccactga ggatcatctt ctgcagaata ctttgtggcc tgaagtcca 1020
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cttgccctcag cttgtaaggc agctaagaaa gagcatgcag ctatcattct ttggaacact 1140
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aagtatttct tcaactggag tcgagacaaa aagggtggtg tctggggtga gtgtgactcc 1440
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gctgtgacag ctgtcagcgt ctgcccagtg ctccaccctt ctcaacgata cgtggttgca 1560
gtaggattgg agtggtgaaa gatttgctta tatacctgga aaaagactga tcaagttcca 1620
gaaataaatg actggaccca ctgtgtagaa acaagtcaa gccaaagtca tacactggct 1680
atcagaaaat tatgctggaa gaattgcagt ggaaaaactg aacagaagga agcagaaggt 1740

```

gctgagtggt tacactttgc aagctgtggt gaagatcaca ctgtgaagat acacagagtc 1800  
 aataaatgtg cactgtaatg gaaa 1824

<210> 120

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<400> 120

aggaagctgg gggaccattt tgcaccatga gtttgtgaaa aatctggatt aaaaaattac 60  
 tcttccagtg ttttctcatg cmaaatttgc tyctarcatg tgataatgag taaactaaaa 120  
 ctatttgcag cttttcctca attnacattt tggtngtata cttcagagtg atgttatcta 180  
 agtttaagta gtttaagtat gttaaagtgt gatcttttac accacatcac agtgaacaca 240  
 ctggggagat gtgctttttt ggaaaactca aagggtgctag ctccctgatt caaagaaata 300  
 tttctcatgt ttgttcattc tagtttatat ttctatttaa aatcccttag gtttaagtta 360  
 agctttttta aagttagtta aaagaattga gacacaatac taatactgta ggaattgggtg 420  
 aggccttgac ttaaaacttt ctttgtactg tgatttcctt ttgggtgtat ttgctaagt 480  
 gaaacttggt aaattttttg ttaactaaat tttttctta aaataaagac tttttcaca 540  
 wraaaaaaaa aaaaaaaaaa actcgagggg gggcccgtac ccaatgcct gtgatgtntc 600  
 gtatac 606

<210> 121

<211> 838

<212> DNA

<213> Homo sapiens

<400> 121

gaatcccggg tcgaccacag cgtccgggaa agatcggcgc gcaccgcagg agcaacgggt 60  
 ggtcctgcgg ctgtgatgtc ggtgttgagg cccctggaca agctgcccgg cctgaacacg 120  
 gccaccatct tgetggtggg cacggaggat gctcttctgc agcagctggc ggactcgatg 180  
 ctcaaagagg actgcgcctc cgagctgaag gtccacttgg caaagtccct ccctttgccc 240  
 tccagtgtga atcgccccg aattgacctg atcgtgtttg tggtaatct tcacagcaaa 300  
 tacagyctcc agaacacaga ggagtccctg cgccatgtgg atgccagctt cttcttgggg 360  
 aargtgtgtt tcctcgccac aggtgtgtgm rggctttagg gccaccatgg cgcargcct 420  
 ggtgcgcgtg ctgcgatct gtgctggcca cgtgccgggt gtctcagctc tgaacctgct 480  
 gtccctgctg agaagctctg agggccctc cctggaggac ctgtgagggt ggctkgcccc 540

tgggctgccc cttctcatgg cttcgtgctg actccataaa cattctctgt tgaggatgtc 600  
cagtcagggc ttgacaggcc caggctcagc cccccgtggc tgggaagggt ccctgcagtg 660  
ccagtgtctgc agcagggaga gctgggcaga agcagcgagg gggcccagct ggcgagactg 720  
tagccccctc ccactcccac actcactctt gcagagcctg tgtctttaag cagctggcgt 780  
gttacatctc catttaaggt ttcctttgaa caaaagggtct gtggctaaaa aaagttaa 838

<210> 122

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<400> 122

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gcgtcctggc cgcagcggcg cgctgcctgg tccgggggtgc ggaccgaatg agcaagtggg 180  
cgagcaagcg gggcccgcgc agcttcaggg gccgcaangg ccggggcgcc aaggggcatcg 240  
gcttcctcac ctccgggctgg aggttcgtgc agatcaagga gatgggtccc gagttcgtcg 300  
tcccggatct gaccggcttc aagctcaagc cctacgtgag ctacctcgcc cctgagagcg 360  
aggagacgcc cctgacggcc gcgcagctct tcagcgaagc cgtggcgccct gccatcgaaa 420  
aggacttcaa ggacgggtacc ttcgaccctg acaacctgga aaagtacggc ttcgagccca 480  
cacaggaggg aaagctcttc cagctctacc ccaggaactt cctgcgctag ctgggcgggg 540  
gagggggcggc ctgccctcat ctcatctcta ttaaagcgtt ttgccagcta aaaaaaaaaa 600  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gggcgagcgc gtgggc 656

<210> 123

<211> 1386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1283)

<223> n equals a,t,g, or c

<400> 123

aaccgggnaa aaggaaaccg tgttgtgtac gtaagattca ggaaacgaaa ccaggagccg 60



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ctctggacct tgtctcgctc gggagcggaa acagcggcag ccagagaact gttttaatca 240
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ggccccagggt cagctaccca ccccaccag cgggccattc aggtcctggc ccagctgggt 420
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cattgg 1386

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<210> 124

<211> 845

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (825)

<223> n equals a,t,g, or c

<400> 124

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gccggggcag acgtccgtag cgccccctcc cgaggaggtc gagccgggca gtgggggtccg 120
catcgtggtg gagtactgtg aaccctgcgg cttcgaggcg acctacctgg agctggccag 180
tgctgtgaag gagcagtatc cgggcacga gatcgagtcg gcctcgggg gcacaggtgc 240
ctttgagata gagataaatg gacagctggt gttctccaag ctggagaatg ggggctttcc 300
ctatgagaaa gatctcattg aggccatccg aagagccagt aatggagaaa ccctagaaaa 360
gatcaccaac agccgtcctc cctgcgtcat cctgtgactg cacaggactc tgggttcctg 420
ctctgttctg ggggtccaaac cttggtctcc ctttggctct gctgggagct cccctgcct 480
ctttccctta cttagctcct tagcaaagag accctggcct ccactttgcc ctttgggtac 540
aaagaaggaa tagaagattc cgtggccttg ggggcaggag agagacactc tccatgaaca 600
cttctccagc cacctcatat ccccttccca gggtaagtgc ccacgaaagc ccagtccact 660

```

```
cttcgcctcg gtaatacctg tctgatgcc aagattttat ttattctccc ctaaccacag 720
gcaatgtcag ctattggcag taaagtggcg ctacaaacac taaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa atntnggggg ggggcccccc 840
cccccc 845
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&lt;210&gt; 125

&lt;211&gt; 1656

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 125

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ctcaccgccc ggactctcca ctgttcaact cgagatgcag ctctccactc cagctcaatc 120
tgctgcagct ggaggagctc ccccggtgctg aggggggctgc tgttgacagga ggccctggga 180
gcagtggccg gcccccacct cccartgcgg aggctgctga gccagaggcc agactggcgg 240
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tggaccatgg agtccctggt gctgcccctc aggtgggacc caggcgttct cagctgtacc 1560
ctctgccgat ggcatttgtg tttttgatat ttgtgtctgt tactactttt ttaatacaaa 1620
aagataaaaa cgcccaaaaa aaaaaaaaaa aaaacc 1656
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&lt;210&gt; 126

&lt;211&gt; 837

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 126

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tggacgttgg ccctgtttgc tttttataaa ccaaactcta tctgaaatcc caacaaaaaa 60
aatttaactc catatgtgtt cctctgttgc taactctgtc aaccagtgc agtgaccgac 120
aaaattccag ttattttatt ccaaaatggt ttgaaacagt ataatttgac aaagaaaaat 180
gatacttctc ttttttggct gttccaccaa atacaattca aatgcttttt gttttatttt 240
tttaccatt ccaatttcaa aatgtctcaa tgggtgctata ataaataaac ttcaacactc 300
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tgtgtccacc agtaaaagat aacctttctt tctgaaatag tcaaatacga aattagaaaa 420  
gccctcccta ttttaactac ctcaactggg cagaaacaca gattgtattc tatgagtccc 480  
agaagatgaa aaaaatttta tacgttgata aaacttataa atttcattga ttaatctcct 540  
ggaagattgg tttaaaaaga aaagtgtaat gcaagaattt aaagaaatat ttttaaagcc 600  
acaattattt taatattgga tatcaactgc ttgtaaagggt gctcctcttt tttcttgtca 660  
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gtactttcac ttttaaactc tagatcagaa ttgttgactt gcattcagaa cataaatgca 780  
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<210> 127

<211> 1217

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

<400> 127

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ttccgcagtt cgaagcccag ttgggcccag caggtggagg aggaggggga ggacgacaaa 180  
tgtgtcacca gcgagctcct caaggggac cctctggcca caggtgacac cagcccagag 240  
ccagagctac tgccgggagc tccactgccg cctcccaagg aggtcatcaa cggaaacata 300  
aagacagtga cagagtacaa gatagatgag gatggcaaga agttcaagat tgtccgcacc 360  
ttcaggattg agaccgggaa ggcttcaaag gctgtcgcaa ggaggaagaa ctggaagaag 420  
ttcgggaact cagagtttga ccccccgga cccaatgtgg ccaccaccac tgtcagtgc 480  
gatgtctcta tgacgttcat caccagcaaa gaggacctga actgccagga ggaggaggac 540  
cctatgaaca aactcaaggg ccagaagatc gtgtcctgcc gcactctgaa gggcgaccac 600  
tggaccaccc gctgccccta caaggatacg ctggggccca tgcagaagga gctggccgag 660  
cagctggggc tgttactagg cgagaaggag aagctgccgg gagagctaga gccggtgcag 720  
gccacgcaga acaagacagg gaagtatgtg ccgcccagcc tgcgcgacgg ggccagccgc 780  
cgcggggagt ccatgcagcc caaccgcaga gccgacgaca acgccaccat ccgtgtcacc 840  
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atctcccga tctacctggc taaggacaag accactggcc aatccaaggg ctttgccttc 960  
atcagcttcc accgcccga ggaatgctgc cgtgccattg ccggggtgtc cggctttggc 1020  
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cactgtgtac tcggtccggg acccttggcg acagaagaca gcctccgaga gcgcgggctc 1140  
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cgcgacttag aactagc 1217

<210> 128

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<400> 128

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gccgcgaact gcatcatgga ggtgtcctgt ggccaggcgg aaagcagtga gaagcccaac 120
gctgaggaca tgacatccaa agattactac ttgactcct acgcacactt tggcatccac 180
gaggagatgc tgaaggacga ggtgcgcacc ctcaactacc gcaactccat gtttcataac 240
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gggttttagg ggctgggct ggggggatgg ggagggcaca tcgtgaactg gtttttcata 1260
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                     1349

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<210> 129

<211> 2318

<212> DNA

<213> Homo sapiens

<400> 129

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gcacggctcc gggtagccat ggaggacccc acgctctata ttgtcgagcg gccgcttccc 180
gggtaccccc acgcccaggc cccggagcct tcctccgctg gggctcaggc agcggaggag 240
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ctggaggagc ggcaggcgga gatggagggc gcagtgcaga gcatccaggc cgagctgagc 420
aagctgggca aggcgcacgc accacgagca atacggtgag caagctgctg gagaagggtg 480

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gccgaggtgg gcgwtcacc tgaagtcagg agttcgggac cagcctggca aacaccccat 2160
ctctactaag cgaaaacca tctctactaa aattacaaaa attagctggg catggttgcg 2220
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<210> 130

<211> 2149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1518)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2147)  
<223> n equals a,t,g, or c

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gcaggcatac tgggaacgac taaggactca cccaagctg gtctgctcat ggtgcttctt 1260  
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<210> 131  
<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<400> 131

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ctaaaattgg gcaccctgcc cccaacttca aagccacagc tgttatgcc gatggtcagt 180
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ttgacttcac ctttgtgtgc ccacggaga tcattgcttt cagtgatagg gcagaagaat 300
ttaagaaact caactgccaa gtgattggtg cttctgtgga ttctcacttc tgtcatctag 360
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cagacccgaa gcgcaccatt gctcaggatt atggggctct aaaggctgat gaaggcatct 480
cgttcagggg cctttttatc attgatgata aggggtattct tcggcagatc actgtaaatg 540
acctccctgt tggccgctct gtggatgaga ctttgagact agttcaggcc ttccagttca 600
ctgacaaaca tggggaagtg tgcccagctg gctggaaacc tggcagtgat accatcaagc 660
ctgatgtcca aaagagcaaa gaatatttct ccaagcagaa gtgagcgctg ggctgtttta 720
gtgccaggct gcggtgggca gccatgagaa caaacctct tctgtatttt ttttttccat 780
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ctacaggggg tggagagacc agcctttctt cctttggtag gaatggcctg agttggcggt 900
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```

<210> 132

<211> 2319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2246)

<223> n equals a,t,g, or c

<400> 132

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ttgggaccgg cggctgatgc aggatgacaa ccggggccta ggccaagggc tcaaggacaa 180
```

```

caagagaacc tgcaaccggt tccgcctcct gctagagcgg cgaaccrtgg gcagtgaggt 240
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gaacgccccg gcgctcgctc tgctgtgagc caggatgcag cccccaggcc ctgggtctgcg 360
ctcatttcat cctctggctt cctcactgcc ctgtgacttc cacctgctca acctacgtac 420
gctccaggct gaggaggaca ccctaccctc ggcggagacc gcactcatct tacaccgcaa 480
ggttttgact gcggcctgga ggcaagaact tgggcttcaa ctgcaccaca agccaaggca 540
aggtagccct gggcagcctt ttccatggcc tggatgtggt attccttcag ccaacctcct 600
tgacgttact gtaccctctg gcctccccgt ccaacagcac tgacgtctat ttggagccca 660
tggagattgc tacctttcgc ctccgcttgg gttagggtct cttgtggcct gaagagaaa 720
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atcccgatct gcctcccaga actgtgacac actgggctct gccytcatct tctgtttatt 840
gctgctgctg tgttttcggc gcaaccaca aaccagtgga tgggtaaaata gggcagacgc 900
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ttgtgagtgg acacccaact gggcacaggc tcaggcacc atcctttttc caaacaggga 1020
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gcattctaaa gagtcagacg ccacaggcat tccattaaa gtcagaaaact agccaagggc 1980
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taagaatcaa ctgaagacct gttaagagta ttctgtaagt caaccaatg atacacatca 2160
tgttcctgtc cacatactgg ttttcccaa atcagctgat aaattcagt taattccaat 2220
gagatgaaac tttggaattg acagtnctaa agtgcatggt gagagtgaat gtgtgagaac 2280
actaagacca ctctgaacga tgataatgag tttgggggt 2319

```

<210> 133

<211> 1373

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<400> 133

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ggtcgttgga gtcacttccg cgtcaccagc tctgtgcct gccagtcggt gcccctccc 120
ctccagccat gctctccgcc ctcgcccggc ctgccagcgc tgctctccgc cgcagcttca 180

```



```

gcacctcggc ccagaacaat gctaaagtag ctgtgctagg ggcctctgga ggcacgggc 240
agccactttc acttctcctg aagaacagcc ccttggtgag ccgcctgacc ctctatgata 300
tcgcgcacac acccgagtg gcccagatc tgagccacat cgagaccaa ggcgctgtga 360
aaggctacct cggacctgaa cagctgcctg actgcctgaa agnttgatg gtggtagtta 420
ttccggctgg agtccccaga aagccaggca tgaccggga cgacctgttc aacaccaatg 480
ccacgattgt ggccaccctg accgctgcct gtgccagca ctgccggaa gccatgatct 540
gcgtcattgc caatccggtt aattccacca tccccatcac agcagaagtt ttcaagaagc 600
atggagtgtg caaccccaac aaaatcttcg gcgtgacgac cctggacatc gtcagagcca 660
acacctttgt tgcagagctg aagggtttg atccagctcg agtcaacgct cctgtcattg 720
gtggccatgc tgggaagacc atcatcccc tgatctctca gtgcacccc aagggtgact 780
ttccccagga ccagctgaca gcaactact ggcgatcca ggaggccggc acggaggtg 840
tcaaggctaa agccggagca ggctctgcca ccctctccat ggcgatgac ggcccccgt 900
ttgtcttctc ccttggtgat gcaatgaatg gaaaggaagg tgttggtgaa tgttccttcg 960
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gcatcgagaa gaacctgggc atcggcaaa tctcctcttt tgaggagaag atgatctcgg 1080
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aagccgttgc agataaactt tgtattttta tttgctttg tgatgattac tgtattgaca 1260
tcatcatgcc ttccaaattg tgggtggctc tgtgggcgca tcaataaaag ccgtccttga 1320
ttttattttt caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1373

```

&lt;210&gt; 134

&lt;211&gt; 1657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 134

```

ggaacaagtg cctgtagtgt gtttggtatc gtaccctacg actgattata cggatgaatgt 60
gaccctgctg agatctccta agcggcactc agtcaaataa caatagcaac tccccagca 120
gtaaaacaga ccatacagtaa catttcagga tttaatgaaa cctgcttgag atggagaagc 180
atcaagacag ctgatatgga ggagatgtat ttattccaca tttggggcca gagatggtat 240
cagaaggaat ttgcccagga aatgacctt aatatcagta gcagcagccg agatcccag 300
gtgtgcttgg acctacgtcc gggtagcaac tacaatgtca gtctccgggc tctgtcttcg 360
gaacttctct tggatcatct cctgacaacc cagataacag agcctccctt cccggaagta 420
gaatttttta cgggtgcacag aggacctcta ccacgcctca gactgaggaa agccaaggag 480
aaaaatggac caatcagttc atatcaggtg ttagtgcttc ccctggccct ccaaagcaca 540
ttttcttggt attctgaagg cgcttcctcc ttcttttagca acgcctctga tgcgtatgga 600
tacgtggctg cagaactact ggccaaagat gttccagatg atgccatgga gataacctata 660
ggagacaggc tgtactatgg ggaatattat aatgcacct tgaaaagagg gagtgattac 720
tgcatatat tacgaatcac aagtgaatgg aataaggatg gaagacactc ctgtgcagtt 780
tgggctcagg tgaaagattc gtcactcatg ctgctgcaga tggcgggtgt tggactgggt 840
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aggagaaaac tcaggaattc tgagtcttcc ctgctacagg accagttctg tgcaatgaac 1140
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ggctgggact tctctgagt gatgcctgag ggtcagctcc tctagacatt gactgcaaga 1260
gaatctctgc aacctcctat ataaaagcat ttctgttaat tcattcagaa tccattcttt 1320
acaatatgca gtgagatggg cttaagtttg ggctagatg tgactttatg aaggaggtca 1380
ttgaaaaaga gaacagtgc gtaggcaaat gtttcaagca ctttagaaac agtacttttc 1440

```

```
ctataattag ttgatatact aatgagaaaa tatactagcc tgccatgccataaagtttcc 1500
tgctgtgtct gttaggcagc attgctttga tgcaatttct attgtcctat atattcaaaa 1560
gtaatgtcta cattccagta aaaatatccc gtaattaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggcggccc 1657
```

<210> 135

<211> 2360

<212> DNA

<213> Homo sapiens .

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2353)

<223> n equals a,t,g, or c

<400> 135

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attgacaaaa gcaatgggtga tggagaagcc tagtccccctg ctggtcgggc gggaaattgt 180
gagacagtat tacacactgc tgaaccaggc cccagacatg ctgcatagat tttatggaaa 240
gaactcttct tatgtccatg ggggattgga ttcaaattgga aagccagcag atgcagtcta 300
cggacagaaa gaaatccaca ggaaagtgat gtcacaaaac ttcaccaact gccacaccaa 360
gattcgccat gttgatgctc atgccacgct aaatgatggt gtggtagtcc aggtgatggg 420
gcttctctct aacaacaacc aggctttgag gagattcatg caaacgtttg tccttgctcc 480
tgaggggtct gttgcaaata aattctatgt tcacaatgat atcttcagat accaagatga 540
ggtctttggt ggttttgtca ctgagcctca ggaggagtct gaagaagaag tagaggaacc 600
tgaagaaaga cagcaaacac ctgaggtggt acctgatgat tctggaactt tctatgatca 660
ggcagttgtc agtaatgaca tggaagaaca tttagaggag cctgttgctg aaccagagcc 720
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gccagtatta gaagaaactg cccctgagga tgctcagaag agttcttctc cagcacctgc 840
agacatagct cagacagtac aggaagactt gaggacattt tcttgggcat ctgtgaccag 900
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acctcagcgg gatcaaagag tgcgagaaca acgaataaat attcctcccc aaaggggacc 1080
cagaccaatc cgtgaggctg gtgagcaagg tgacattgaa ccccgagaa tggtgagaca 1140
ccctgacagt caccaactct tcattggcaa cctgcctcat gaagtggaca aatcagagct 1200
taaagatttc tttcaaagtt atggaaacgt ggtggagttg cgcattaaca gtggtgggaa 1260
attaccaat tttggttttg ttgtgtttga tgattctgag cctgttcaga aagtccttag 1320
caacaggccc atcatgttca gaggtgaggt ccgtctgaat gtcgaagaga agaagactcg 1380
agctgccagg gaaggcgacc gacgagataa tcgccttcgg ggacctggag gccctcgagg 1440
tgggctgggt ggtggaatga gaggcctcc ccgtggaggc atggtgcaga aaccaggatt 1500
```

```

tggagtggga arggggnttg cgccacggca gtgaatcttc atggatcttc atgcagccat 1560
acaaaccctg gttccaacag aatggtgaat tttcgacagc ctttggatc ttggagtatg 1620
acccagctct gttataaact gcttaagttt gtataatttt actttttttg tgtgttaatg 1680
gtgtgtgctc cctctccctc tcttcccttt cctgaccttt agtctttcac ttccaatttt 1740
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cttgcttact ttgcatatac agactggatt tttttttttt ttacagcca tttcccaaaa 1860
ggaatgtctt gcatattact gacatttggt atgtttcatt cattggaata tttcttattt 1920
tctacgtgtt tgaaaagcct gtaagaaata caggatttga taatattttg aaggcaggaa 1980
aaacccaaat tgtttcttct ttgagagtca tgactacctt ctggtgtgga gaaattgcca 2040
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aactgttagt ttttttgaag tagttttttc cakgtttaat ttgtatttgg ttaaaaaaac 2280
maaaaggcca aaaattcccc aaaaccccg gtaaccacca grgscaaacn gttgtggcct 2340
tcccaattaa cnttgggatt 2360

```

&lt;210&gt; 136

&lt;211&gt; 1042

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 136

```

gccggtggct gctgtctctg ggcgggcccgt gggaggctcc cgagggtggg gccggggcgg 60
gatggctgca gcggcgcccg gggccgggag cgggccctgg gcggcccagg agaagcagtt 120
cccgcggcg ctgctgagtt tcttcatcta caaccgcgc ttcgggcccgc gcgaaggaca 180
ggaggaaaat aagattttat tttatcatcc aaatgaggtg gaaaagaatg agaagattag 240
aaatgtcggg ttgtgtgaag ctattgtaca gtttacaagg acatttagcc catcaaaacc 300
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agttattgaa tatcaagagg aggagttggt ggacaagggt tatagctcgg tgctgcggca 480
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aatgacttat ttgaaaatcc agtcctttat taatagaatg gaggaagcc tgaatatagt 720
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aatttttgta aatacagwtg acacttatga agagctccat ttaatcgktt ataaggycgt 1020
agaaagaacc ccagtttaag tt 1042

```

&lt;210&gt; 137

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 137

```

ggcaccggga gcggcggtt ggtctacgct gtgcgcggcg gacgtcggag gcagcgggga 60
gcggagcggg gccgccggg cctctccagg gccgcagcgg cagcagttgg gcccccgcc 120
ccggccggcg gaccgaagaa cgcagggaagg ggcccgggg gaccgcgcc cgcccgccg 180
cagccatgaa ctccaacgtg gagaacctac cccgcacat catccgctg gtgtacaagg 240

```

```

aggtagacgac actgaccgca gaccaccccg atggcatcaa ggtctttccc aacgaggagg 300
acctcaccga cctccaggtc accatcgagg gccctgaggg gaccccatat gctggaggtc 360
tggtccgcat gaaactcctg ctggggaagg acttccctgc ctccccaccc aagggtact 420
tcctgaccaa gatcttcac ccgaacgtgg gcgccaatgg cgagatctgc gtcaacgtgc 480
tcaagaggga ctggacggct gagctgggca tccgacacgt actgctgacc atcaagtgc 540
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agaactacga ggagtatgcr gctcgggccc gtctgctcac agagatccac gggggcgccg 660
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<210> 138

<211> 1490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<400> 138

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caagacagta aggattcaaa ccatttgcca aaaatgagtc taagtgcatt tactctcttc 120
ctggcattga ttggtggtac cagtggccag tactatgatt atgattttcc cctatcaatt 180
tatgggcaat catcaccaaa ctgtgcacca gaatgtaact gccctgaaag ctaccaagt 240
gccatgtact gtgatgagct gaaattgaaa agtgtaccaa tgggtgcctcc tggaatcaag 300

```

III

```

tattctttacc ttaggaataa ccagattgac catattgatg aaaaggcctt tgagaatgta 360
actgatctgc agtggctcat tctagatcac aaccttctag aaaactccaa gataaaaggg 420
agagttttct ctaaattgaa acaactgaag aagctgcata taaaccacaa caacctgaca 480
gagtctgtgg gccacttcc caaatctctg gaggatctgc agcttactca taacaagatc 540
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gcattgcagt atctgcgttt atctcacaac gaactggctg atagtggaaat acctggaaat 840
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gttgaggaa acagccagtt ttaaaatcct taaacttaag ttcctcaagc tggataaaac 1440
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```

&lt;210&gt; 139

&lt;211&gt; 1684

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1657)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1659)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1682)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 139

```
tcgacccacg cgtccggccg gctgagccac agcagggtcg ccgcggggtc ccggggccgt 60
gctcccctgc ccctccggga gcgcgcgggg cngggcgggg cggggcggga ccaggcgggc 120
gagctggggc ctcgccctc cctcggggcg tcacctgggc acgggcgctg cagggtgctcg 180
ggcctcaacc ttgcggaccg nacagccatc gatcctcggg tggcctcgag gtggtggcag 240
ggccgcccc tgacgtccgg agacgaacgc acggaccggg cctccggagc argttcgggt 300
ggaargaamc gctctcgstt cgtcctacac ttgcgcaa atgtctccgagc ttactcacat 360
agcatattgg tatatcaaaa tgaatgcaa ggaacaaaa ataacataat tgaaggcagt 420
aaaagtgaat ttaaatagga agatcatcag tcaaggaga cccactggag aggacagaaa 480
atgaagcagt gttttatcat gtgtatttca gcaggctctt ttgaaattta actaaaaata 540
tgactgctct ctcttcagag aactgctctt ttcagtacca gttacgtcaa acaaaccagc 600
ccctagatgt taactatctg ctattcttga tcatacttg gaaaaatatta ttaaatatcc 660
ttacactagg aatgagaaga aaaaacacct gtcaaaattt tatggaatat ttttgcat 720
cactagcatt cgttgatctt ttacttttgg taaacatttc cattatattg tatttcagg 780
atttgtact tttaagcatt aggttacta aataccacat ctgcctattt actcaaatta 840
tttctttac ttatggcttt ttgcattatc cagtttctt gacagcttgt atagattatt 900
gcctgaattt ctctaaaaca accaagcttt catttaagt tcaaaaatta ttttatttct 960
ttacagtaat ttaatttgg atttcagtcc ttgcttatgt tttgggagac ccagccatct 1020
accaagcct gaaggcacag aatgcttatt ctcgtcactg tcctttctat gtcagcattc 1080
agagttactg gctgtcattt ttcatggtga tgattttatt ttagctttc ataacctgtt 1140
gggaagaagt tactactttg gtacaggcta tcaggataac ttctatatg aatgaaacta 1200
tcttatattt tcctttttca tccactcca gttatactgt gagatctaaa aaaatattct 1260
tatccaagct cattgtctgt tttctcagta cctgggtacc atttgtaacta cttcaggtaa 1320
tcattgtttt acttaaagtt cagattccag catatattga gatgaatatt ccctgggtat 1380
actttgtcaa tagttttctc attgctacag tgtattggtt taattgtcac aagcttaatt 1440
taaaagacat tggattacct ttggatccat ttgtcaactg gaagtgtgc ttcattccac 1500
ttacaattcc taatcttgag caaattgaaa agcctatatc aataatgatt tgktaatt 1560
attaattaaa agttacagct gtcataagat cataatttta tgaacagaaa gaactcagga 1620
catattaaaa aataaactgr actaaaacaa aaaaaancna aaaaaaaaaa aaaaggcg 1680
cnac 1684
```

&lt;210&gt; 140

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 140

```
ggacttcctc ccagcacatt cctgcactct gccgtgtcca cactgcccc cagacccagt 60
cctccaagcc tgctgccagc tccctgcaag cccctcagg tgggccttgc cacggtgcc 120
gcaggcagcc ctgggctggg ggtaggggac tccctacagg cacgcagccc tgagacctca 180
gagggccacc ccttgagggt ggccaggccc ccagtggcca acctgagtgc tgcctctgcc 240
```

```

accagccctg ctggccccctg gttccgctgg cccccagat gcctggctga gacacgccat 300
ggcccttcag ctggcccaca cytyttcccg gscctggaa kttggcaytg cagcagacag 360
ytccytgggc accagrcagy taacaggaca cagcngccag cccaaacagc agcgggnatg 420
ggggcag                                     427

```

```

<210> 141
<211> 889
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (698)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (889)
<223> n equals a,t,g, or c

```

```

<400> 141
ggcacgaggt tgacgtcctg tagcatttgc tgttctagaa agtacagaga cacgtagaan 60
agatgggagg atctagaagg aggctgtctc ctgtgtagt tatatttatc tgtaagttag 120
ccgttgggga aggattgaat acagagacgc tgtctgcttg ctgccttaag acagctagct 180
gaattgctga ttaactttta aaatacccag cttggtttat ttttcttaga atctgttgct 240
aagactgggg acgctgtttt cttttacaaa gggaaatcta agttaatttc aaggcattcg 300
aaatggggaa agactattat tgcatttttg gaattgagaa aggagcttca gatgaagata 360
ttaaaaaggc ttaccgaaaa caagccctca aatttcattc ggacaagaac aaatctcctc 420
aggcagagga aaaattttaa gaggtcgcag aagcttatga agtattgagt gatcctaaaa 480
agagagaaat atatgrtcag tttggggagg aagggttgaa aggaggagca ggaggtactg 540
atggacaagg aggtaccttc cggtagacct ttcatggcga tcctcatgct acatttgctg 600
catttttcgg aggtccaac ccctttgaaa ttttcttttg aagacgaatg ggtggtggta 660
gagattctga agaaatggaa atagrtggtg atccttnag tgcttttggt ttcagcatga 720
atggatatcc aagagacagg aattctgtgg ggccatccc cctcaaaca gatcctccag 780
ttattcatga acttagagta tcactgaag agatatatag tggttgtacc aaacgggatg 840
aaagatttct cgaaaaagg taaaacgctg atggtaggag ttacagttn 889

```

```

<210> 142
<211> 1505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1493)
<223> n equals a,t,g, or c

```

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1500)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 142

```
agtgagggaa gcgatgggcg cgggaatggc cggcccacgg gtcgcaggag acgggacgcc 60
agcttttggc tccgttccgc tggctccttc gtcagtactg acacctcggg cttgtagagc 120
acttcacgca gcaaaagcgc cccccgtcta tatcatatcg cctctcggtc ctcctaaaag 180
tcgtatgaga tggagctgga ggaggggaag gcaggcagcg gactccgcca atattatctg 240
tccaagattg aagaactcca gctgattgtg aatgataaga gccaaaacct ccggaggctg 300
caggcacaga ggaacgaact aaatgctaaa gttcgcctat tgcgggagga gctacagctg 360
ctgcaggagc agggctccta tgtgggggaa gtagtccggg ccatggataa gaagaaagtg 420
ttggtcaagg tacatcctga aggtaaattt gttgtagacg tggacaaaaa cattgacatc 480
aatgatgtga caccgaattg ccgggtggct ctaaggaatg acagctacac tctgcacaag 540
atcctgcca acaaggtaga cccattagtg tcatgatga tgggtggaga agtaccagat 600
tcaacttatg agatgattgg tggactggac aaacagatca aggagatcaa agaagtgatc 660
gagctgcctg ttaagcatcc tgagctcttc gaagcactgg gcattgctca gcccaaggga 720
gtgctgctgt atggacctcc aggcactggg aagacactgt tggcccgggc tgtggctcat 780
catacggact gtacctttat tcgtgtctct ggctctgaat tggtagagaa attcataggg 840
gaaggggcaa gaatggtgag ggagctgttt gtcattggcac gggaaacatgc tccatctatc 900
atcttcatgg acgaaatcga ctccatcggc tcctcgcggc tggagggggg ttctggaggg 960
gacagtgaag tgcagcgcac gatgctggag ttgctcaacc agctygacgg ctttgaggcc 1020
accaagaaca tcaaggttat catggctact aataggattg atatcctgga ctccggcactg 1080
cttcgcccag ggcgcattga cagaaaaatt gaattccac ccccaatga ggaggcccgg 1140
ctggacattt tgaagattca ttctcggaag atgaacctga cccgggggat caacctgaga 1200
aaaattgctg agctcatgcc aggagcatca ggggctgaag tgaagggcgt gtgcacagaa 1260
gctggcatgt atgccctgcg agaacggcga gtccatgtca ctcaggagga ctttgagatg 1320
gcagtagcca aggtcatgca gaaggacagt gagaaaaaca tgtccatcaa gaaattatgg 1380
aagtgagtgg acagcctttg tgtgtatctc tccaataaag ctctgtgggc caagtcaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aangggggnn 1500
cccccc
```

1505

&lt;210&gt; 143

&lt;211&gt; 1235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 143

```
cggacgggtgg gtagcggcgg cggcgctggc accccggccc cggcggggccc cggcggacgg 60
cgggcaaaagg tcccaggaa gttggcgtcag catctgcagc cgcgtcgacg ttgtcggagc 120
ctccgcggag gaccaggag agccggacta ggaccagggc cctgggcctc ccacactcc 180
ccatggagaa gctggcggcc tctacagagc cccaagggcc tcggccggtc ctgggcccgtg 240
agagtgtcca ggtgcccgat gaccaagact ttgcagctt ccggtcagag tgtgaggctg 300
aggtgggctg gaacctgacc tatagcaggg ctgggggtgtc tgtctgggtg caggctgtgg 360
```



```

agatggatcg gacgctgcac aagatcaagt gccggatgga gtgctgtgat gtgccagccg 420
agacactcta cgacgtccta cagcattg agtacgcaa gaaatgggac agcaacgtca 480
ttgagacttt tgacatcgcc cgcttgacag tcaacgctga cgtgggctat tactcctgga 540
ggtgtcccaa gccctgaag aaccgtgatg tcatcaccct ccgctcctgg ctccccatgg 600
gcgctgatta catcattatg aactactcag tcaaacatcc caaatacca cctcggaag 660
acttggtccg agctgtgtcc atccagacgg gctacctcat ccagagcaca gggccaaga 720
gctgcgtcat cacctacctg gccaggtgg accccaaagg ctcttacct aagtgggtgg 780
tgaataaatc ttctcagttc ctggctccca aggccatgaa gaagatgtac aaggcgtgcc 840
tcaagtaccc cgagtggaaa cagaagcacc tgctcactt caagccgtgg ctgcaccgg 900
agcagagccc gttgccgagc ctggcgtgt cggagctgtc ggtgcagcat gcggactcac 960
tggaagaacat cgacgagagc gcggtggccg agagcagaga ggagcggatg ggcggcgcg 1020
gcggcgaggg cagcgacgac gacacctcgc tcacctgagc gycgcaccgc ttcagggacg 1080
gagacaggac cggcgagcc ctggggcggc ggccgctcct gcactttctc ccctcccca 1140
cccggcacct ggtggcaccg ggccaggccc aggcgggtgc tgcagcctgg ctggacagag 1200
ccccataaa cgatcccaca gcctcaaaaa aaaa 1235

```

<210> 144

<211> 1420

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<400> 144

```

gcaagaacgg agctgactga ggaaccaact ggagggtctt cactctctcc tccccagtg 60
tacaaaacca gttttctgca acattcagga gccaaatgag gaaaaagaat caagaatctg 120
actcacagcc catctgatct gttcaaagct gtcttttcca cctgctgaaa ttcattaaat 180
cactggaggc atgcataatg aatggagaat gagtgaactt ccaatgcaac ttggattcac 240
aaaccattta tcatagccaa tatgcagatt ttaaacagca tttcacattt catttgacca 300
tgtcttcttt ttgcgacgc ctgctgcaga attccctact agaattgtgaa acaacgaaca 360
aaccacagaa cttagagtgt gctggttagt cacataactt agtagcagga ttgtgtatcc 420
aggcacaagg gtgtctttgc taatgttctc ttgtacctg ccctgcttca aacgctaaat 480
ggtatgggtc tttctttgtt gccagccata ttctacaaat aagacttttc aatatagtta 540

```

```
tgagtaatat aattttatgt acatataatg ttagaatatt gtacagaatc ttggtttcta 600
cgatgcgctt ttcttggttc aaaaagagga aaatgcttga tttttgttga tgatactttt 660
gttactgtcc ttaattttcc atagtttggg ttcttaattg tgctcactaa gcatcgatct 720
gtgctgatgc caagctatgg actatgtacg caagaccgag caatagacag aggtgcctag 780
ggtccaaaca cactgaacgc acgtggaccg cctggwtcag gagcctcatc agacccttct 840
ccatgcacat ccttcccaaa cagtcacaga ttccattgaa aggagcagat tctatcagtt 900
cttctgtgca gactttaaga gctgaacgtt ctgggttctgg aagccatgtg actgcgcaga 960
acaacctaaag aaaccctttg tgtcctgagg ggtcgttgac ctctccttcc gggtcggagc 1020
agtcactctg agggcaaagc gtggtccact gtgtgtgatg ttttcaggat gctaggggtca 1080
aagaaagaaa ccaagtggta cataagccca gcttttctgc tgggctaagt gtaagtgtga 1140
gtaacatggg caagcccctc ttttttgggc tatgtaaagc ctttcctgcc ttgcattaat 1200
gctatctccc tgtgtactgt ttctcttaaa tggagcagat agaaatctgc agtgttggca 1260
gataggtgga tgggagaggg atggataatt ttatcttctg ggccacagag ctggcagccc 1320
cagtttgtcc agagtccttt aaatggaac ccccaaatcc atcccttctt ttccctaacc 1380
cccanngggga tattcntagn attaagggcn cgggataagt 1420
```

<210> 145

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1882)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1919)

<223> n equals a,t,g, or c

<400> 145

```
gcccacgcgt cggccgcctc gtccgcccgg cttgaggccc gcggggagcg cggcgcaatt 60
cgtcggcccg cgggggggcg gcctcccggc atcttcgcgg cgaccaagga ctaccaggaa 120
ggggagcggc tgggatggcg cgtccgggcc ccgskagtac aaagcgggag acctggtctt 180
cgccaagatg aagggttacc cgactggcc ggcccggatt gatgaactcc cagaggcgct 240
gtgaagcctt cagcaaaaca gtatcctatc ttcttttttg gcacccatga aactgcattt 300
ctaggtccca aagacctttt tccatataag gagtacaaag acaagtttg aaagtcaaac 360
aaacggaaaag gatttaacga aggattgtgg gaaatagaaa ataaccagg agtaaaagtt 420
actggctacc aggcaattca gcaacagagc tcttcagaaa ctgagggaga aggtggaaat 480
actgcagatg caagcagtga ggaagaaggt gatagagtag aagaagatgg aaaaggcaaa 540
agaaagaatg aaaaagcagg ctcaaaacgg aaaaagtcac atacttcaa gaaatcctct 600
aaacagtcctc ggaatcttcc aggagatgaa gatgacaaa actgcaaaga agaggaaaac 660
aaaagcagct ctgaggggtg agatgcgggc aacgacacaa gaaacacaa ttcagacttg 720
cagaaaacca gtgaaggggc ctaactacca taatgaatgc tgcatattaa gagaaaccac 780
aagaagggtta tatgtttggg tgtctaatat tcttggattt gatatgaacc aacacatagt 840
```

```

ccttggtgtc attgacagaa cccagtttg tatgtacatt attcatattc ctctctggtg 900
tgtttcgggg ggaaaagaca ttttagcctt ttttaaaagt tactgattta atttcatggt 960
atgttggtgc atgaagttgc ccttaaccac taaggattat caagattttt gcgcagactt 1020
atacatgtct aggatccttt tatcaaggca gttatgatca tcgttttcct gccttgaccc 1080
caccatcatc aaacactcag ttaaataata attaacattt tttagatgac cactcaacat 1140
aatgcttaag aatggaattt cctctctgtg acagaaccca ggaattaatt cctaaatata 1200
taacgttggg atattgaaga cgaaattaaa attgtccttc agttttgagg ccatgtgtaa 1260
agtttaacca tattgtaaaa tatctattcc gtattagaaa tagctagtgt acagcttata 1320
cttctcaaaa ttcataattgt tatgtacaca aactaagttt ctatatgtga agttagttag 1380
tctttttgtg ttactccaaa ataaaggcaa tgattttatt ttttcccagt gccaatataa 1440
ttttgagcta agcactcaag gtggatactt tacattttta agctggaatc agcaacagcc 1500
ctatgggaaa ccagacaaaag cattgacctt taaatgtaga cttttaaaat aaactgtttt 1560
cttttggaac tacaattaga atagttaata ttcatacctta aaccattatt atgtgtacat 1620
tattgttgct attgtgataa tagagaattt tatttatttt tatgccagct tatattgtga 1680
gaacacattt agtcagtttg ggttttatca atcctgttaa tgcttgctct tggaacatct 1740
ttcgcgatc caccggttgg agttgaaaag tttactgtaa aaaaatcaaa acaaaaaaaa 1800
tgtattgttt ttacagaata aatttattgg aatgtgwact ggggagtaag atttgaggtt 1860
gtaagcaaac taagttagtg tnaattggcc tccaatangt aacgtggagg cattaatgn 1919

```

<210> 146

<211> 1379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (925)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1377)

<223> n equals a,t,g, or c

<400> 146

```

gcccacgcgt ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgg taagtttaga 60
tgactgggtca atatcttaaa aatgtatatt agtaagaagt tcttcctgga atttttcttt 120
cgattctggc agaataaaca ggtgttttta gttttccac tgtctgagcc aagcaggacc 180
ctgtcccaga gcaagagatg tccccttcca tctctgaccc ttgcctggga caagctttga 240
tgggggggccc cagcttcaag gctgtgggtg gaacagcacc cccaaatgcc agcctctcct 300
ttcttcccat ccaccagtat actgcggggc catttctggt ctttgtccaa caggaaaccc 360
atttctggtg ggatattgct tccagtgcc cagggccact caccctatgc atctctgtcc 420
tgcccgctcag tgctgggacg gacagcaagg gcaagcccag tgtctggcrg ataggtgggt 480
gggaacagag aggggagaat gccgtcctaa gcttctgctt ggggatcccc cacacgacct 540
gggtactgcc tgggaaacct gtcctaagta aaactatgga cctcgctcg cccaccggcc 600
tgcraagcca gcatctccgt gaaggtggat ggaagcgctt ttgtcctcay tttgagctgc 660

```

```

aagctgggtc agcggctctg aagccctcga gtgactttct aacccaagac ccagcccctg 720
gcaggaggag ggtgggtgca gggctgggtg gacaaaaaga ggcctcagca ggcctggaag 780
acccttccag tacatcccac agcgtgtcga gcagctggga gaacctgtgt caagctcgag 840
ccgtcatagg tccccatgag gtgtctgaag ccccttcttg gtgatgggag gcagagggtc 900
tgacgttctg gagcatggac gtgantcytc aagctggctc cgcgtgggcc cttggagggt 960
gccagggtgtg tggtagacct ctggatgcct ttaacttcat ggctgcgtca ttcttgattt 1020
agaactttaa ccggagcttc atctagtgat tgcaaaactg gaccaatggg aggacggcgc 1080
gcagcccgtc ccctccgtgg aatggagctc agctcttcgg aggcatacaa gcacctgtcg 1140
cctccgtggt cccctgcccg agggagtgcg gcctctgcaa ggttcggggg tggcttcgtt 1200
tgctggagt ggccggccct gcttgtgcca tgtggatgtt tgtgagctc ggctctacag 1260
cactgtgtag gctgcatctg tttcgtgtg gtctgttga cttgtatgat atccacaaat 1320
aaatattttc atggcaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg nccccnaa 1379

```

<210> 147

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 147

```

ttnggaaact gatcacttat caaggcttta tatattcttt acggatttag acatcaccat 60
accaagaagc ttactccatc tattccggtc tttgtaggac aggccttcatt tttcagccca 120
tgttctgtaa gccacacagt atgcctgcag aagctgctta tcggagccaa atataattgt 180
cagtacaatt taaagaccac tatgtgtccc cggagaccaa cctgtttatt tccctgaaag 240
accgcaacac cccacacaac atgtttcaga catttggaac ttgttagata agacacttgt 300
aggagaaaga gatttcttaa attaatgtagc ttatatcccc ctagagaagg ccatacaaat 360
ctgcggaacgc gtgggcggac gcgtgggggg accgtgggtc gaacgnaccc ancgccncg 420
gacgcgtggg cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg 480
gacgcgtggg cggacgcgtg ggcggacgcg tggg                                     514

```

<210> 148

<211> 2058

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 148

```

gtgcgcccgc gcgccccggg agcctaccca gcacgcgctc cgccccactg gttccctcca 60
gccgccgcgcg tccagccgag tccccactcc ggagtcgccg ctgccgcggg gacatgggtcc 120
tctgcgttca gggacctcgt cctttgctgg ctgtggagcg gactgggcag cggcccctgt 180
gggccccgtc cctggaactg cccaagccag tcatgcagcc cttgcctgct ggggccttcc 240
tcgaggaggt ggagaggggt accccagccc agacagagag tgagccaaag gtgctggacc 300
cagaggagga tctgctgtgc atagccaaga ccttctccta ccttcgggaa tctggctggt 360
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2058

&lt;210&gt; 149

&lt;211&gt; 1781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 149

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<210> 150

<211> 1709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1678)

<223> n equals a,t,g, or c

<400> 150

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<210> 151

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (906)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (915)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<400> 151

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cacctcgggg acattattgc gcgtggaacg gctgcttttg gaagactatt gccagaaga 180
aaagatgttt ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg 240

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tggaacagg ataaaaagca accagatcag taaactgcag aaggaattta aacgtcataa 540
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<210> 152

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (594)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (628)

<223> n equals a,t,g, or c

<400> 152

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accctggaag tagcaggccg catgcttgga ggtaaagtcc atggttcctt ggcccgtgct 360
ggaaaagtga gaggtcagac tcctaagggtg gccaaacagg agaagaagaa gaagaagaca 420
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ggtcgggcta agcggcggat gcagtacaac cggcgctttg tcaacgttgt gccacaccttt 480
ggcaagaaga agggcccca tgccaactct taagtctttt gtaattcttg ctttctctaa 540
taaaaaagcc acttagttca aaaaaaaaaa aaaaaamtcg gggggggccc gkancccaat 600
ttscctata gggngncgtt taaattcntt ggcgg                                     635

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&lt;210&gt; 153

&lt;211&gt; 2328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 153

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cccgcccgct cgctccccgg cgctcacacc tgagctcact cgcgcacgcc cgcccgcccc 120
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<210> 154  
<211> 1268  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<400> 154  
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aaaaaaaaa 1268

<210> 155  
<211> 4299  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2813)  
<223> n equals a,t,g, or c

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gccatggccg acaagggaagc agccttcgac gacgcagtgg aagaacgagt gatcaacgag 180  
gaatacaaaa tatggaaaaa gaacaccct tttctttatg atttggtgat gacctatgct 240  
ctggagtggc ccagcctaac tgcccagtgg ctccagatg taaccagacc agaagggaaa 300  
gatttcagca ttcactgact tgtcctgggg acacacacat cggatgaaca aaaccatctt 360

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&lt;210&gt; 156

&lt;211&gt; 1006

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 156

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&lt;210&gt; 157

&lt;211&gt; 1686

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 157

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<210> 158

<211> 4147

<212> DNA

<213> Homo sapiens

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<222> (13)

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<220>

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<222> (292)

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<222> (4145)

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<222> (4146)

<223> n equals a,t,g, or c

<400> 158

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<210> 159

<211> 1242

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1236)

<223> n equals a,t,g, or c

<400> 159

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<210> 160

<211> 2229

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

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<222> (59)

<223> n equals a,t,g, or c

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<222> (128)

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<400> 160

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<211> 1920

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (119)

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<220>  
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<222> (1766)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1832)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1841)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1915)  
<223> n equals a,t,g, or c

<400> 161  
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<210> 162

<211> 2619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2546)

<223> n equals a,t,g, or c

<400> 162

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<210> 163

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1187)

<223> n equals a,t,g, or c

<400> 163

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<210> 164

<211> 3810

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2523)

<223> n equals a,t,g, or c

<400> 164

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&lt;210&gt; 165

&lt;211&gt; 817

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 165

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<210> 166

<211> 1578

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g,.or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 166

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&lt;210&gt; 167

&lt;211&gt; 1694

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 167

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&lt;210&gt; 168

&lt;211&gt; 1636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 168

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&lt;210&gt; 169

&lt;211&gt; 667

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 169

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tacccaa 667

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&lt;210&gt; 170

&lt;211&gt; 3598

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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<222> (16)  
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<220>  
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<222> (22)  
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<220>  
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<211> 940

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (12)

<223> n equals a,t,g, or c

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<222> (919)

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<220>  
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<211> 1458  
<212> DNA  
<213> Homo sapiens

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<210> 173

<211> 2709

<212> DNA

<213> Homo sapiens

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<220>

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<223> n equals a,t,g, or c

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<222> (2659)

<223> n equals a,t,g, or c

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<222> (2670)

<223> n equals a,t,g, or c

<400> 173

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&lt;210&gt; 174

&lt;211&gt; 1013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 174

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cctccgggca atgcctgtcc cgcctcatgc tggaggtgct ctcgggcacc tgcctgccc 960  
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<210> 175

<211> 1697

<212> DNA

<213> Homo sapiens

<400> 175

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catttggtgc ttgacgtatt attgtccttt gattccaaat aatatgttcc cttccctcat 1620  
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aaaaaaaaa aaaaaaa 1697

<210> 176

<211> 1409

<212> DNA

<213> Homo sapiens

<400> 176

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cccgggctgc aggaattccg ctgctggcct ggggttggtg ttgaggccgg gtctccgctc 180  
ctgtgcccgg gaagatgggt ctagggtgtt gcccggttag ttacttactt ctgtgcggcc 240  
aggcggtttt gctgctgggg aatttacttc tgctgcattg tgtgtctcgg agccactcgc 300  
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<213> Homo sapiens

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tgttccacct	gacagtgttt	gtctttcata	gactttccag	aatagacata	gtcaagatca	180
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cgcttagaaa	tgtatgtcca	ggatgaaaag	aaccttttta	aaatggctgg	ttgttccaga	300
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aaa						1500



<210> 178  
<211> 1378  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<400> 178  
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actttattct tctggtgagc tccctgaata tttatttttc tgattataaa tttctatat 180  
tagtagcatt ttttaattat tacttcttca ctatagagca tttactttta gtctctagat 240  
gtatattttg gaatgctrta cttggcataa catagattaa aatcataatg catgactaaa 300  
aactccttgg atttatttcc cattttaaaa tttttagcgg taagttcaga tttataatct 360  
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gttatatgca aatactacac cattttctat aagggaactg aacatcatgg actttagtat 720  
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ctgttaatgt ctatcttctg tctctttaat tttgtatatc tgctgttttg cttttggata 1260  
cattttctaa ttagaagtca catgataaat ataatcagta tagtaataat accataatgt 1320  
gcacatactc aataaataaa tgactgcatt gttgtaaaaa aaaaaaaaaa aaaaaaaa 1378

<210> 179  
<211> 2251  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2020)  
<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2050)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 179

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ggcgctgccc tggtgcccgt ggctgctgtg gctgctgtgc cggggcggcg gcgatgcgga 120
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&lt;210&gt; 180

&lt;211&gt; 1000

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 180

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tttcccgcctc gcagagagcc ggcttgcaat tcccagtggt ccgtattcat cgacacctaa 300
aatctaggac gaccagtcac ggacgtgtgg gcgcgactgc cgctgtgtac agcgcagcca 360
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ctttccaacc aaccaaattt ctgcattcga gtcttaacca tatttaagtg ttactgtggc 780
ttcaagaag ctattgattc tgaagtagtg ggttttgatt gagttgactg tttttaaaaa 840
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aaaaaaaaaa aaaaaaaaaa maaaaaaggg gggggccccc 1000
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<210> 181

<211> 1429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1420)

<223> n equals a,t,g, or c

<400> 181

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aggggcccga gcgtctgcag ggtgacgcct garacagcac cactgctgag gagtgaaggac 240
tgtcctccca cagacctgca gtgaggggcc ctccatgcgc agatgagggg cactgaccc 300
acctgcgctt ctgctggagg aggggaagct ggcccaaaag gccmgsgrag gcagcgtggg 360
ctctgccaat gtgggctgcc cctcgcacac agggctcaca gggcaggcct tgctggggtc 420
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<210> 182

<211> 2725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2713)

<223> n equals a,t,g, or c

<400> 182

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tacagccagg cctgccaccc cttaggctcc aaagtccgga ggtgcagaaa gccaggacca 180
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gactcagtgc agataatctc aggagacact gaagaaggga ggctctgtgg acagaggagc 480
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gtgatcttta agtcagactt ttccaatgaa gagcgtttta cgggggttgc tgcatactat 600
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aaatagaact tgattgttga gacgccttgc tagaggtaga gtttgatcat agaattgtgc 2460
tggtcataca tttgtggtct gactccttgg ggtcctttcc ccggagtacc tattgtagat 2520
aacactatgg gtggggcact cctttcttgc actattccac agggatacct taattctttg 2580
tttcctcttt acctgttcaa aattccattt acttgatcat tctcagtatc cactgtctat 2640
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aaaaaaaaaa aaaaaaaaaa aaaag 2725

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<210> 183

<211> 1751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<400> 183

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gggggcggca ggttgcggcg gcgccggagc gggctctccag gctggcgagc gcccaggaca 60
ggcatgttgt tgggactggc ggccatggag ctgaagggtg ggggtggatg catccagcgt 120
gtggtctgtg gggctcaga gcagaccacc tgccaggaaag tggatcatcg actagcccaa 180
gcaataggcc agactggccg ctttgtgctt gtgcagcggc ttcgggagaa ggagcggcag 240
ttgctgccac aagagtgtcc agtgggcgcc caggccacct gcggacagtt tgccagcgat 300

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gtccagtttg tcctgaggcg cacagggccc agcctagctg ggangccctc ctcagacagc 360
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ctgggctgtg agccccgcaa aacactgacc cccgagccag cccccagcct ctcacgccc 480
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cgggagaggt ccttactgt gtgtacacag caagagcatg tgtgtgccac ttcccctacc 1680
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aaaaaaaaa a 1751

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<210> 184

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2181)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 184

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ggcacgagca gcgacatact gaagggcaac ttctcaatcc gtacagccaa gatgcagcag 60
catgtgtgtg aaaccatcat ccgcaccttt aaaagacatg gagctgttca gttgtgtact 120
ccactactgc ttccccgaaa cagacaaata tatgagcaca acgaagctgc cctattcatg 180
gaccacagcg ggatgctggt gatgcttcct tttgacctgc ggatcccttt tgcaagatat 240
gtggcaagaa ataatatatt gaatttaaaa cgatactgca tagaacgtgt gttcaggccg 300
cgcaagttag atcgatttca tcccaaagaa cttctggagt gtgcatttga tattgtcact 360
tctaccacca acagctttct gccactgct gaaattatct acactatcta tgaaatcatc 420
caagagtttc cagcacttca ggaaagaaat tacagtatct atttgaacca taccatgtta 480
ttgaaagcaa tactcttaca ctgtgggac ccagaagata aactcagtca agtctacatt 540
attctgtatg atgctgtgac agagaagctg acgaggagag aagtggaaagc taaattttgt 600
aatctgtctt tgtcttctaa tagtctgtgt cgactctaca agtttattga acagaaggga 660
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cagttggtga agtatggctt aaaagacctt gaggagggtt ttggactggt gaagaaactc 780
ggcatcaagt tacaggctct gatcaatttg ggcttggtt acaagggtgca gcagcacaat 840
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cagatgtcta tgtccagggc catcaacctt acccagaaac tctggacagc aggcatacaca 1140
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tactggaata atggaatgtt gtacattcat cataatttaa aattaaatc taagaagagg 1920
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&lt;210&gt; 185

&lt;211&gt; 1987

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 185

```
aactgtggcg cktcttggtg aagatggacg tccacgatct ctttcgccgg ctcggcgccg 60
gggccaaatt cgacacgaga cgcttctcgg cagacgcagc tcgattccag ataggaaaaa 120
ggaaatatga ctttgattct tcggaggtgc ttcagggact ggactttttt ggaaacaaga 180
agtctgtccc aggtgtgtgt ggagcatcac aaacacatca gaagcccaa aatggagaga 240
aaaaagaaga gagcctaact gaaaggaaga gggagcagag caagaaaaaa aggaagacga 300
tgacttcaga aattgcttcc caagaagaag gtgctactat acagtggatg tcatctgtag 360
aagcaaagat tgaagacaaa aaagttcaga gagaaagtaa actaacttcc ggaaagttgg 420
agaatctcag aaaagaaaag ataaacttct tgcggaataa acacaaaatt cacgtccaag 480
gaaccgatct tcctgaccca attgctacat ttcagcaact tgnaccagga atataaaatc 540
aattctcgac tacttcagaa cattctagat gcaggtttcc aaatgcctac gccaatccaa 600
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gagtggcttg tagtagacga atcagataaa ctgtttgaag atggcaaaac tgggttcaga 1020
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tcagtggaat atatccacag gataggtcga actggaagag cagggaataa gggaaaagca 1560
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ttcttagaaa aagctaagga taaacagaaa aaggtcactg gtcagaacag caagaagaaa 1800
gtagctcttg aagacaaaag ttaaaaacag actttaaaaa tactgtccca gaaatgtaat 1860
tttatgatcc cagcatgaat gttattttca tggaaacttt gaagtcctac agtcacctgt 1920
accaaacatt tgaaatcaac tacaagtaca tgggactggg gataaatgat cctaaactat 1980
caagtca
```

&lt;210&gt; 186

&lt;211&gt; 1737

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 186

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tgatcctggg taaaatggat gatttttcat tgaaagtttt gctgattaac aattaaagtg 120
ggatgatatg tgggcaaaat cacttatgaa agtagaagca agaatacagt ggtttgctac 180
cacataaagc catgctgttt ttggtcaaac tgtgtaaact ggaaaaatc acatcatttc 240
tgagtttaat cactttagga tatattcaca ttgttttggg gaatttgctg aattgaattg 300
tttttctttc tcaaatctgt gatctctttt ctttatcctg tttctttggt cctttcgttt 360
```



```

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aagggaaata aaagcttttt gaaggtagct atactagcac ttttgatcat cttcaggggc 540
cacaaaaatg ttgtcaagat tttaaagggt tataattctg ctttaagctct agtttggact 600
taggtatcct aactatgttg gaggtatttg cattgtttta agttaggata aaagcaagtt 660
cctcctgtga ctgcaacgtc ttactgattg ggacagttgc caggaggata ccaacttgat 720
agcagagggg gttttatgca aacgcactca cctccgcctt ggggaatgaa agggtcactt 780
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gtaattcaca gtctcagaa gcctattttt aaagcagaag caaaaaagaa aaacaaaata 1140
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tcaagtttgt ctccgcact aagatgtgag gaaattgtga tttgttctct ccaccacaaa 1560
tgaattacac atttattatc ttctatcatt ttgaaacact gcagtttacc atgggacact 1620
gtatatattt cttgccataa tggtaaagga ctgattgata tatttaagag ttaataaatt 1680
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<210> 187

<211> 1132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1132)

<223> n equals a,t,g, or c

<400> 187

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agatccttga gtcccagagg ccccctgcag gcatccctgt agcccatcc agtggctgag 180
gaggctccag gcctgaggac caagggatgg ccgactcgg cggtttgcg aggatgcagg 240
gatatgctca cagcgcccga cacaaccccc tccgcgcgc cccaaccacc cagggccacc 300
atcagacaac tccctgcatg caaaccccta gtaccctctc acaccgcac ccgcgcctca 360
cgatccctca cccagagcac acggccgagg agatgacgtc acgcaagcaa cggcgctgac 420
gtcacatatc accgtggtga tggcgtcacg tggccatgta gacgtcacga agagatatag 480
cgatggcgct gtgcagatgc agcacgtcgc acacagacat ggggaacttg gcatgacgtc 540
acaccgagat gcagcaacga cgtcacgggc catgtcgacg tcacacatat taatgtcaca 600
cagacgcggc gatggcatca cacagacggt gatgatgtca cacacagaca cagtgaacaac 660

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ggccaaggta cccacaggat cccatccccct cccgcacagc cctggggccc agcacctccc 840
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gagaacagga agccattcac ctccgctcct tgagcgtgag tgtttccagg accccctcgg 960
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aactcccagc cctgcctgtg gcccgttgaa atgttggtgg cacttaataa atattagtaa 1080
atccttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nn 1132
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<210> 188

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<400> 188

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tggaaggcag ctatgcgact caccgtgctg tgtgctgtgt gcctgctgcc tggcagcctg 180
gccctgccgc tgcctcagga ggccgggaggc atgagtgagc tacagtggga acaggctcag 240
gactatctca agagatttta tctctatgac tcagaaaaca aaaatgccaa cagtttagaa 300
gccaaactca aggagatgca aaaattcctt ggccctaccta taactggaat gttaaactcc 360
cggtcatag aaataatgca gaagcccaga tgtggagtgc cagatggtgc agaatactca 420
ctatttccaa atagcccaaa atggacttcc aaagtgttca cctacaggat cgtatcata 480
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gtcatgcct ttgcgcctgg gacaggcttc ggaggagatg ctacttcga tgaggatgaa 720
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ctccttttaa ggataaaactc ctttatggtg tgactgtgtc ttattcatct atacttgag 1140
tgggtagatg tcaataaatg ttacatacac aaataaataa aatgtttatt ccatggtaaa 1200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaata 1267
```

<210> 189

<211> 3787

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 189

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ggtcggcctg gaagcagcca agacggaaaa gcaantgtgt gagcccgaaa acccatgcaa 180
ggacaagaca cacaactgcc acaagcacgc ggagtgcac tacctgggtc acttcagcga 240
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ggactcggac ctggacggct ggcccaacct caatctggtc tgcgccacca acgccaccta 360
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ggacaactgc cagctcctct tcaatccccg ccaggctgac tatgacaagg atgaggttgg 540
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tgagaggggt gacgcctgct ccgtggacat tgatggggac gatgtcttca atgaacgaga 660
caattgtccc tacgtctaca aactgacca gagggacacg gatggtgacg gtgtggggga 720
tcactgtgac aactgcccc tggtgcacaa ccctgaccag accgacgtgg acaatgacct 780
tggtggggac cagtgtgaca acaacgagga catagatgac gacggccacc agaacaacca 840
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<210> 190

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 190

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gttgatcagt acagaaaaca aattggtaaa caggattata aaaaaactaa acctatttta 180
cgagcaacca aattaaaagc agaagcaaa gaaacagcaa taggcataaa ggaagtggc 240
cttgacttg cagctatatt ggcactacta ctggctttct atgctttctt ttatctcaga 300
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tgcatgaaag agaaataact ttacgaaagc accttttggg accaaaactt tcaatactga 420
aactgtaaca tctttaatm tttctgctaa tattttcagt ttgcagacat atgatttttg 480

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cngggatact tgta 554

<210> 191

<211> 874

<212> DNA

<213> Homo sapiens

<400> 191

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gccgtgctgc atggcacctg cctgcggcac gtggccaatc cccgcggcgc tgtcacgccg 180  
gagtacaccg tagccaatgt catctctgtc ggctcggggc tgetgagcgt ttccgtggga 240  
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cttttcttct aaaaaaaaaa aaaaaaaact cgag 874

<210> 192

<211> 2103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<400> 192

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cctcagcacc cagcttgtgc cattgggcat tgatggcatt gaactagagc gagtgcctgc 480  
ctcggctgtg gcacttccag gttcgactga atcaagcatc tgaagactgg gtttttttgt 540  
tggtgtgtgt ccccttacag acaaaatgaa gactatcatg tgcaatcttt tacagtgggg 600  
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<210> 193

<211> 1317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1316)

<223> n equals a,t,g, or c

<400> 193

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ccttctgaag ttggaatctg taatgattta aaacatgaga ctggtccagt gggcttggtg 120
ctccagacct catgccttct gggacccaga catctctgca atctcgggaa ctggaatata 180
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ttcaacttct tgttctggct atgtggtatc ttgatcctag cattagcaat atgggtacga 420
gtaagcaatg actctcaagc aatttttggg tctgaagatg taggctctag ctctacgtt 480

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gctgtggaca tattgattgc tgtaggtgcc atcatcatga ttctgggctt cctgggatgc 540
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<210> 194

<211> 1252

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1240)

<223> n equals a,t,g, or c

<400> 194

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<210> 195

<211> 1688

<212> DNA

<213> Homo sapiens

<400> 195

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cagctggatg caccatccc caatgcaccc cctgcgcgct ggcagcaaaa gccagggaag 180  
ccgcagcccg gccccctcac ccctgcgggc cgccaaccga tcccacagcg ccggcaggac 240  
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ccaaggcatc cgctgaagac caaccatca cctcagttgt tttttatatt tctaataaag 1620  
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aaaaaaaaa 1688

<210> 196

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (756)

<223> n equals a,t,g, or c

<400> 196

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acagctggga caaggatgtg taccctgagc ccccgcgccg cacgccggtg cagcccaatc 180
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<210> 197

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<400> 197

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<210> 198

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<400> 198

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ttttatctgc gttactacgt ggggcacaag ggcaagtctg gccacgagtt cctggagttt 180
gagtttcgac cggacgggaa gttaagatat gccacaaca gcaattacaa gaatgatgtc 240
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<210> 199

<211> 1573

<212> DNA

<213> Homo sapiens

<400> 199

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aaaaaaaaaa aaa 1573

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<210> 200

<211> 2742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<400> 200

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&lt;210&gt; 201

&lt;211&gt; 1417

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 201

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cccatcttaa agaacagaca tgaaaaagta caagagaatt gtattgatct tgttggtcgt 240
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ctcgaggggg gcccgtaccc aattcgccgt atagtga 1417

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&lt;210&gt; 202

&lt;211&gt; 1512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (855)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<400> 202

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aaaaaaaaaa an 1512
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<210> 203

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 203

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tgggcagggt cccgctggcc tgggtgcttg cgctgtgcgg ctggggcgtg catggcccc 240
aggggcacgc argctgaaga aagtccttc gtgggcaacc cagggaatat cacaggtgcc 300
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cggggactca cgggcaccct tcggtgtcag ctccaggttc agggagagcc ccccgaggta 360  
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<210> 204

<211> 2833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2802)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2832)

<223> n equals a,t,g, or c

<400> 204

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<210> 205

<211> 5830

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5821)

<223> n equals a,t,g, or c

<400> 205

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```

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nagggggccc 5830

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&lt;210&gt; 206

&lt;211&gt; 755

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<400> 206

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yccggccagt gactgcagtg tctgcagcgc tycgtgcaac gggaacgtgg cggtagacac 660
cggcctgtgt gcgcctgctg gcaattgaca ccamctgcgg agggggttct gcggcggtgg 720
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<210> 207

<211> 1996

<212> DNA

<213> Homo sapiens

<400> 207

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aaaaaaaaaa ctcgag                                     1996

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<210> 208

<211> 1668

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1620)

<223> n equals a,t,g, or c

<400> 208

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```

```

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<210> 209

<211> 2250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 209

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ataattagaa ggcgcttaca gtcgaatgct aatcaggcct tcttcctgtt ggtgaacgga 420
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taaaaccaga aaaaatgcat ctcttctaga attgtttaaa cccttaccac ggaaaaaaaa 600
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2250

```

&lt;210&gt; 210

&lt;211&gt; 838

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 210

```

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tatttgaaca agttttcctt tattgagtac caagccatgt aatggtaact tggactttaa 720
taaaagggaa atgagtttga actgaaaaaa aaaaaaaaaa aaactcatac agactgaagc 780
gcggtgatta aataatgaaa gagttcgacg cggccgggaa tttaggagggt aaatatcc 838

```

&lt;210&gt; 211

&lt;211&gt; 1213

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1206)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 211

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tttgcctcgg cctcgtcgtg aagacacagc gcatctcccc gctgtaggct tcctcccaca 120
gaacccgttt cgggcctcag agcgtctggt gagatgctgt tgccgctgct gctgctgcta 180
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ttctacgatg agtccaagcc ttccacctgc ctggacgggt cggccaccat cccatttgat 300
cagggtcaac atgactattg cgactgcaaa gatggctctg acgagccagg cagggtgcc 360
tgtcctaata gcagcttcca ctgcaccaac actggctata agcccctgta tatccctcc 420

```

aaccgggtca acgatggtgt ttgtgactgc tgcgatggaa cagacgagta caacagcggc 480  
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atggccgagg tcacccgcga agggttccgt ctgaagaaga tccttattga ggactggaa 600  
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caatacaata aatgtgatcc cccacccaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200  
aaaaanaaaa aaa 1213

<210> 212

<211> 969

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (955)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (958)

<223> n equals a,t,g, or c

<400> 212

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<210> 213

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 213

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<210> 214

<211> 1210

<212> DNA

<213> Homo sapiens

<400> 214

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gctttgtgag acagcaggag gcacatgcca agctggataa cttgaccttg atggagatca 540
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&lt;210&gt; 215

&lt;211&gt; 1776

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 215

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1776

<210> 216

<211> 1418

<212> DNA

<213> Homo sapiens

<400> 216

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gccatcacaga attgtgtatt caccagcatc atgaaacagt tgtggtcttt tgagttgac 180  
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<210> 217

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2188)

<223> n equals a,t,g, or c

<400> 217

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<210> 218

<211> 1853

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (890)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1794)

<223> n equals a,t,g, or c

<400> 218

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tggtgggcgc cgtgaagagc cttcaggcgc tgggcgagg catcgaggct gaacttcggt 180
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gcccccaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1853

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<210> 219

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1091)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1092)

<223> n equals a,t,g, or c

<400> 219

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aaaaaaaaan nna 1093

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&lt;210&gt; 220

&lt;211&gt; 2155

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

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<213> Homo sapiens

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<222> (5)

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<222> (7)

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<221> misc feature

<222> (17)

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<222> (22)

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<221> misc feature

<222> (125)

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<400> 221

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&lt;210&gt; 222

&lt;211&gt; 2085

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 222

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<210> 223

<211> 2921

<212> DNA

<213> Homo sapiens

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<222> (2920)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2921)

<223> n equals a,t,g, or c

<400> 223

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<210> 224

<211> 4395

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (325)

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<221> misc feature

<222> (4382)

<223> n equals a,t,g, or c

<220>

<221> misc feature



&lt;222&gt; (4391)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 224

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&lt;211&gt; 3035

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2911)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2959)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 225

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&lt;210&gt; 226

&lt;211&gt; 1511

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 226

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<210> 227

<211> 2239

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2238)

<223> n equals a,t,g, or c

<400> 227

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cccagtcagc acctaccctt tccccccag gggkttgaat atgcaaaagc agttccgctg 600
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&lt;210&gt; 228

&lt;211&gt; 2346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 228

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2346

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&lt;210&gt; 229

&lt;211&gt; 2246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2235)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 229

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&lt;210&gt; 230

&lt;211&gt; 2002

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 230

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<211> 994

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (853)

<223> n equals a,t,g, or c

<400> 231

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ccaataccat tgactataaa agctattttt gaaagattca agaacaggaa aaagagatat 480
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gacagtcgta gatacaaatt tttggatgat gatggatcca tttctcctat tgaggagtca 840
acgtaagtgg aantcatatg aaatactttg gtaaatagggt ataaattaaa tttctatggt 900
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tatgacaatt gggattatta cagttgagcc aagc                                     994

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<210> 232

<211> 486

<212> DNA

<213> Homo sapiens

<220>



<221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (440)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (485)  
 <223> n equals a,t,g, or c

<400> 232  
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 ctgccaagat gtctgccag cagaaccagc agcagtgcca acccccaccc aagtgtccct 180  
 cacc caagtg tccccaaag agcccagtac agtgtctgcc tccagcttcc tctggctgtg 240  
 cccaagctc tgggggctgt ggcctagctc cgagggcggc tgcttcctga accaccacag 300  
 gcgccaccac cgatgccggc gccagaggy ccaactcctgt gacagggcag tggtcagcaa 360  
 ggcgrggggt ctggstgckg cayggttctg ggggctgctg ctgatccaga tcctgatgct 420  
 gagacaagcg atctttggan gaaacaagaa ttccaagag gccagaaca gcccctctg 480  
 gaagnc 486

<210> 233  
 <211> 2081  
 <212> DNA  
 <213> Homo sapiens

<400> 233  
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 taagtctttt ggaggacgaa caactggagg ttcgagaaat ggctgctact accttaagcg 180  
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 tttctagtcc ttacgatgtt cccacctgga tgccccagct cctcatgaat ctcagtgcac 420  
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 tctcaccgat cttcttgtgt caccatgcta ttatgcatag aaagatgact agtcctcact 600  
 tcaggctctt ttcatacaaa attccacacc ctcaggtacc atctgtggtg gctctctgca 660  
 agtttttaaaa ctgcctctgc tgagctctca tcattttggg ggtttctgtg ttagatctcg 720  
 ttagtctgca ttccacagct tctcagttgc catttgattt cccaacttgt ccggaagtgt 780  
 ttccagaata ctgatcactt ttttttttga ggcatctgac aaagtcacaa agtctcagac 840  
 tagaaataat taccagtat gatcatggca tccaagacca gagtctcaga actcattaag 900  
 aaacagttta cttggaatgg agaataccca tctgtaatac aggtcctgtc atttcattca 960  
 tctcaaatta ttttgaattc ttcccaaag gctgctggat ttaggtggtg ataggggctg 1020  
 tgggccataa atctgaagcc ttgagaacct tgggtctgga gagccatgaa gagggaagga 1080  
 aaagagggca agtctgaac ctaaccaatg acctgatgga ttgtcgcacc aagacacaga 1140  
 agtgaagtct gtgtctgtgc acttcccaca gactggagtt tttgggtgtg aatagagcca 1200

```

gttgctaaaa aattgggggt ttggtgaaga aatctgattg ttgtgtgtat tcaatgtgtg 1260
attttaaaaa taaacagcaa caacaataaa aaccctgact ggctgttttt yccctgtatt 1320
ctttacaact attttttgac cctctgaaaa ttattatact tcacctaaat ggaagactgc 1380
tgtgtttgtg gaaattttgt aattttttwa tttatttwat tctctctccc tttttatttt 1440
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aatgtctgaa cttttatgta acatttttgt gtgcctctct caatgctaac accacatgtt 1800
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```

<210> 234

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (498)

<223> n equals a,t,g, or c

<400> 234

```

cggcacgagg ggccaggggt cgggcctgcg cctccctcgg ctccctggcg gggcctcggg 60
gagaggggtg gaagatgtct atggatgtga cattcctggg gacgggtgca gcatacccat 120
ctccaaccog gggcgctctc gctgtgggtc ttcgggtgtga aggcgagtsc tggctctttg 180
actgtgggga gggaaacacag acacagctta tgaaaagcca acttaaagca gggagaatta 240
ccaagatctt catcacacac cttcatggag accatttctt tggccttcct gggctcctct 300
gcacaatcag cctgcagagt ggctccatgg tgtccaaaca gcctattgaa atctatggcc 360
ctgtaggctt cgggacttta tctggcgaac catggaactc tctcamacgg gagctgggtc 420
tccattatgt ggttcatgaa ctggttccta cagcagatca atgtcctgca gaaggaacta 480
aaagaatttn cgcattgtnaa tagagcagac agtcctc 516

```

<210> 235

<211> 1129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c

&lt;400&gt; 235

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gagaggaggg gcaggaccag atcttttgag agctgagggg tgagggcatt gagccaacac 180
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aatggaactg aggaagatta taactttgtc ttcaagggtg tgctgatcgg cgaatcaggt 300
gtggggaaga ccaatctact ctcccgatc acgcgcaatg agttcagcca cgacagccgc 360
accaccatcg gggttgagtt ctccaccgc actgtgatgt tgggcaccgc tgctgtcaag 420
gctcagatct gggacacagc tggcctggag cggtaaccgag ccatcacctc ggcgtactat 480
cgtggtgcag tggggggccct cctggtgttt gacctaacca agcaccagac ctatgctgtg 540
gtggaagcga ggtgaagga gctctatgac catgctgaag ccacgatcgt cgtcatgctc 600
gtgggtaaca aaagtgacct cagccaggcc cgggaagtgc ccaactgagga ggcccgaatg 660
ttcgtgaaa acaatggact gctcttcctg gagacctcag ccctggactc taccaatgtt 720
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ttccagatat cagactgttc cctgttcaca gcacctcag ggtcttaagg tcttcatgcc 1020
ctatcacaaa tacctctttt atctgtccac ccctcacaga ctaggaccct caaataaagc 1080
tgttttatat caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1129
```

&lt;210&gt; 236

&lt;211&gt; 1045

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (973)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1001)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1014)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 236

```
atcctcaaag gcagctcagg ctccgtgtgg ctgcgcaacc tgcaactggg cctcttcggc 60
acagcactgg gcctggtggg gctctggtgg gctgagggta ccgccgtggc caccctggt 120
ttcttttttg ggtacacacc tgctgtctgg ggcgtggtgc tcaaccaggc cttcggcggg 180
ctactgggtg ctgtggttgt caagtacgct gacaatatcc tcaagggtct tgccacctcc 240
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ttatttgccc ttggcgctgg actcgtcatt ggtgctgtct acctctacag ctttccccga 360
ggtgcagyc aagccatagc ctctgcctct gcctccgct ccggggcctg cgttcaccag 420
cagcctcccg ggcagccacc accaccgag ctgtcttccc accgtggaga cctcatcac 480
```

```

gagccctttc tgccaaagtc agtgctggtg aagtragggc tggcagcaat ggggggacac 540
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cggggcctgg ctccctctggg tttgggagat ggtcttttct cccagggtcac tgagacttct 660
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tcccctggag ggggtgttag agctgccgcc tctgctccct ctaacctctt tggaggcagg 780
gttgggggta ttgtcattca aggccttttt tttgtctgct ccctccccga ccctgtgcc 840
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tgacaaaaac tccgagtctt aggaatgacg atgcctactg tggggtagtg ccatagttgg 960
gcttttctcc ttncacgttg atatgtatag tcgctttggg nctgccagtt cttntacttg 1020
aatgcttctg gagccaggaa aggca 1045

```

<210> 237

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<400> 237

```

ggaggagggt ctgccacagc tctccgcacc tctcctctcc cagggcagcc tgtgagcagc 60
aagctgtggc tctgactctg caggaggaca gagcatccct gacgctttca ggggggccct 120
cggcactggc ctttgacctc tccaaggtag caggcccaga ggcagccccc aggctgyggg 180
cgctgacact gggcctggca aaacgcgtgt ggagcctgga gcggcgactg gcagctgcag 240
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cagaccacga tccccagaga ggtggccctg gacctggagt caggaggcgg tgtccaggag 360
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aggactaaca cggtcctca aattccttcc ctgtcaaata aacagctccc ttggttggaa 600
aaaaaaaaaa aaaaaaaaaa agtttttttt aattttaagg cgggccaaag ttttttttcc 660
tttttngttg aagggttnat tttttagttt 690

```

<210> 238

<211> 1873

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<400> 238

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aagctctctg gaccttgagg caggcctgcc gccttcatgt ccactctcct catcaatcag 120
ccccagtatg cgtggctgaa agagctgggg ctccgcgagg aaaacgaggg cgtgtataat 180
ggaagctggg gaggccgggg agaggttatt acgacctatt gccctgctaa caacgagcca 240
atagcaagag tccgacaggg cagtgtggca gactatgaag aaactgtaaa gaaagcaaga 300
gaagcatgga aaatctgggc agatattcct gctccaaaac gaggagaaat agtaagacag 360
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gctgktggtt tatcaaggat gattggagga cctatcttgc cttctgaaa atctggccat 540
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cctgtggcag tgtatgggtg gaacacgcca tcgccatgat ctgtggaaat gtctgcctct 660
ggaaaggagc tccaaccact tccctcatta gtgtggctgt cacaaagata atagccaagg 720
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cagtgactaa tccccctatg accccaaagc cctgattaaa tcaagagatt ccttttttaa 1800
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tttattatgg tca 1873

```

<210> 239

<211> 905

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (873)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (874)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (897)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<400> 239

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gaccagcag ggcgcggcgc tgcagaacta caacaacgag ctggtcaagt gcatagagga 120
gctgtgccag aagcgggagg agctgtgccg gcagatccag gaggaggagg acgagaagca 180
gcggctgcag aatgagggtga ggcagctgac agagaagctg gcccgcgta acgagaacct 240
ggcacgcaag attgcctctc gcaacgagtt cgaccggacc atcgcggaga cggaggccgc 300
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gaacctgacc aaggctacag ccccagacca gaaaagtagc ggcggcaggg acagctgacc 420
agaccacggg cagggcctgc ctccgtgtgc ccctcagctc agccccagca agtgtgtgct 480
cagagcatct ttgttcttca cggcagcagc taccttcct cactgtctca ggtgccgaga 540
ggggcagggt ccagcctcca ctggcatcag tgacaagccc agggcacagc ccacccgggg 600
gtcctcgctt catgctcaca caggctatgg ggatgggtgg ctccaggta gctctgcaag 660
gggcttgtct ctgtggcacc cacactcctg ccctgccagg gaggctctgg ttgtctgagc 720
accatggggg cccctcacc ttgtccctcc tcagccagca gaggcccagg gcaagggaca 780
ggaggacagg ggttctcctt caccacagaa cccaaacctc aggtctcacc cctgtggcct 840
gtgattatga ataaagatta tctttgtaaa gannaaaaaa aaaaaaaaaa aaaaccnng 900
ggggg                                           905
```

<210> 240

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1480)

<223> n equals a,t,g, or c

<400> 240

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gtctgcttct gctacttggg gaagagattt agaattatgt atcttttgtt acagatatac 120
agatatacaa atatacagat atacaaataa gggatgaagat ggagggaatc tgataaagac 180
atcttataaa ttcaacagac acaaaagaat ttgatctccc ataagcaact gtgaaattac 240
aataacagat cctgggaagt tctacaattc taattcagtt ttttcaaggg ggaacatggc 300
```

```

aaaggtgttc agtttcatcc ttgttaccac cgctctgaya atgggcaggg aaatttcggc 360
gctcgaggac tgtgcccagg agcagatgcg gctcagagcc cagggtgcgc tgcttgagac 420
ccgggtcaaaa cagcaacagg tcaagatcaa gcagcttttg caggagaatg aagtccagtt 480
ccttgataaaa ggagatgaga atactgtcgt tgatcttggg agcaagaggc agtatgcaga 540
ttgttcagag attttcaatg atgggtataa gctcagtggg ttttcaaaaa tcaaacctct 600
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aattcagaga cgatctgatg gcagtgaaaa ctttaacaga ggatggaaag actatgaaaa 720
tggtcttggg aattttgtcc aaaaacatgg tgaatattgg ctgggcaata aaaatcttca 780
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gaatattggg gaatattctg gaacagctgg agattccctt gcggggaatt ttcacctga 960
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caattcagct ttgtttaaag tgatttgaaa aatactcatt ctgaacatat ccatgcgcaa 1320
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tgctttcagt acagcagata tgcaatattc accaaataaa tgtagactgt gttaawaaaa 1440
aaacaacaaa tatgaanaaa aaaaaaaaaa nggggggctn tttt 1484

```

&lt;210&gt; 241

&lt;211&gt; 1521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 241

```

caaaagcctt aatgggcctg cagactttga aaagcgagtg gagggcggtg ggcggccgcg 60
tgcgcccctg gtcaatgccc tcctgacagc acccgagttc cttatttaca ctggctgcat 120
ggtttgtgtg tttctgtttt gttctctccc ccctgcaggg ctgtttkcgg ggtgggggtg 180
ggggttcgct atgtcggatg acgattcgag ggccagcacc agctcctcct catcttcgtc 240
ttccaaccag caaaccgaga aagaacaaaa caccaccaag aagaaggaga gtaaagtcag 300
catgagcaaa aactccaaac tcctctccac cagcgccaag agaattcaga aggagctggc 360
ggacatcact ttagaccctc cacctaattg cagtgtcgtt cccaaggcg ataacatcta 420
tgaatggaga tcaaccattc tagggcctcc aggatccgtg tatgagggtg gtgtattctt 480
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<210> 242

<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1093)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1139)

<223> n equals a,t,g, or c

<400> 242

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tcccagagga gcaggaatta gaagcttatg tagatgatat agatattgat agtgatttca 180  
gaaaggatga tttttattac ttgtctcaag aagacaaaga gagacagaag cgtgagcatg 240  
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aaatccgcca caacagacaa tgaaataagt aggactgagt atttatgtga aaactctcta 600  
gaaggtaaaa ataaagataa ttcttcaaat gaagtcttcc cccaaggagc agaagaaaga 660  
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tttactatat ataaagctaa gatgtggatt tacaggaaga accctgggtt gaataactga 1080  
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cccg 1144

<210> 243



&lt;211&gt; 934

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 243

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cccgaacacc atcatgtgga gacatttgca attttcctcc taaaattgcc catgggcatt 180
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aatgtatgta taaaaaaaaa aaaaaaaaaa tcga 934
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&lt;210&gt; 244

&lt;211&gt; 915

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (210)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 244

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aacaaggacg agatgtccac gaaggtggtn gagccacctg atcgagaagc tgccrggcas 240
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ccatgaacag tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaaa aaacac                                     915

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&lt;210&gt; 245

&lt;211&gt; 1276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 245

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gaattcggca gagccccaag gaagaccagc ctgcctctgg tcggttcctg gcgctctgcg 60
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&lt;210&gt; 246

&lt;211&gt; 3366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 246

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<211> 2148  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (1259)  
<223> n equals a,t,g, or c

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<211> 2225  
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<400> 248

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tactataggg agcctattgg ttctctatta gtcttggtgg ttttctgttt gaaaaggagt 1980
catggcatct gtttacattt acctatcaa acctagaatg tgtatattta taaatgtatg 2040
tcttcattgc taggtactaa tttgcagatg tctttacata tttcaatata gaaactataa 2100
cattcaatag tgtgctgtca aagtgtgctt agctcacctg gatataccta cattgttaaa 2160
tgtctaaaca gtaatcatta aaacattttt gattaaaaaa aaaaaaaaaa aaaaaaaaaa 2220
aaaaa 2225
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<210> 249

<211> 1204

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1197)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 249

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tcgccgctgg ctccgtctgt tggggggcga acacgccgcg gtcctcgtcg tggtgagcgc 60
ascactcagg ctggtcctgg ggggtggggt gtaggggaaa gtgctaaagc cgctgagtga 120
agtaagaact ctgctagaga ggaaatggct gcttcatcat catcctcctc agctggtggg 180
gtcagtgga gttctgtcac tggatctggt ttcagtgtct cagacctgc cccaccacgg 240
aaagcccttt tcacctacc caaaggagct ggagagatgt tagaagatgg ctctgagaga 300
ttcctctgcg aatctgtttt tagctatcaa gtggcatcca cgcttaaaca ggtgaaacat 360
gatcagcaag ttgctcgat ggaaaaacta gctggtttgg tagaagagct ggaggctgac 420
gagtggcggg ttaagcccat cgagcagctg ctgggattca cccctcttcc aggttgatac 480
tgcttgatg gtcacctctg gtgcgcagca agtgcaaac cagtggggga ctttctcaca 540
gcttacatag ccattccagag atccacagct acgtcactga attgttaatg cacatttgta 600
cttggtttct ctgtatctat tcacaggcaa caaatactta tatgtgtgat ctttcaggga 660
atgttttgtt tatttgtttt taaaagtatt gggaatcaga ttaagacaat cagtttcaga 720
gaaccaggag gtttggggtt aagagatact caaaaatttt cacaagccaa gtagggcata 780
tatcagattt ggccaactga atggcgtctg tcctgtcatc catatggtgc ctggaaatat 840
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agttattttg cagatgaatg tgttttcaac tcaggaccta tccaaatgag gaatttttaa 960
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ctcttataga catgccaaat gctggcaaaa agaagtgcct tttggatatg gcagcacttg 1080
taaaaataaa gcagtaagca aaatcctttt aaacacagaa atcctgagtt cttctcattg 1140
gtggactcaa gcaattctgt agcaaataaa tcctttgaaa gagctccaaa aaaaaanaaa 1200
aaaaa 1204
```

&lt;210&gt; 250

&lt;211&gt; 1314

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

```
gcgctccttt cctggcagca ggggtttcaa tgggaggaat gctgcttcta aattacttgg 60
gcaaaattgg gtccaaaacg cctttgatgg cagctgcaac tttttccggt ggttggaaaca 120
ccttcgcttg ctcagagtca ttggaaaaac cactgaactg gctacttttt aattactatt 180
tgacaacctg ccttcagtct tcagttaata agcaccgaca tatgtttgta aaacaagttg 240
atatggatca tgtcatgaag gctaaatcca tcagagagtt tgataagcga ttcacttcag 300
tcatgtttgg ataccaaaca attgatgatt attatactga tgccagtcg agtcctagac 360
tgaagtcagt aggaattcca gtattgtgtc taaattctgt ggatgatgtt ttctcaccia 420
gtcatgctat tccaatagaa actgctaagc aaaatcctaa tgttgctttg gtccttactt 480
cttatggagg ccattatggg tttctggagg gaatctggcc aagacagtcc acttacatgg 540
atcgtgtctt caagcaattt gtgcaagcca tgggtgagca tggacatgaa ctctcttaac 600
atgtagttct tttgggtgcat tttgtctgaa ccacaattgt gaaggcagct cagcttagtg 660
cacaaatttt aactgttgta tataaagcaa ataagccagc agatgggtga agagggtccag 720
aatgatatgc aaaaactact ttttagagaa acaaaacaac tttgtagcaa caaattaaat 780
atagtattag attgttactt acgtagattt tatttttact atgccttacc aagtacatcc 840
ttaaacaaag tagtatgtac atgaaattgc acttaaccaa aactatttg taaaacaaat 900
tttaattcct cagggtttta atttaacta gtattttttt agattatttg ttttaggtga 960
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```
tttaatggta ctttaataac tactaagaaa tattggctat ttcaatgtaa gttataaggt 1020
ggtagattcc taagggtatt tatagttgat gataacatga aaactgaaat aagataaaat 1080
acaacgtgct aaatctttta tgtattctaa ctttaaaaaga caagtgcac aaagttagac 1140
tgacttctat atgtgctctt ttactctgat aatattaaat taggactaac ttatgtttta 1200
taatgattat aatttacatg cttattttta aaatagtata tggggacaca tatatatcat 1260
tatattaaaa taaattctac cattttaaat tggaaaaaaa aaaaaaaaaa aaaa 1314
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<210> 251

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1132)

<223> n equals a,t,g, or c

<400> 251

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ttttatatatt ttagtagaga cggggtttca ctgtgttagc caggatgggc tcgatctcca 120
ggatgggtctc gatctccagg atggtctcga tctcctgacg tcgtgatcca cccgcctcgg 180
cctcccaaaa tgctgggatt acaggtgtga gccactgtgc ccggccaaaa gaacagaaat 240
tattttatcc tgaagtaagc tgtttatatt tgggattata ctgaacctat ttgtccaata 300
acctgagttt tcaaataatt ttagttctat aagtactata attatataaa tattaatgaa 360
ttcagattag ctgaaaggaa aaaaagtaga agcctgacta cttggtgcta actactaaag 420
attttggcag aatcaatggt ggatttggct ttctgtgcc ttcccatgc cagcccccca 480
gagtgttctg ccttgtgctg cctcccttca cckggagtgc cacaccctc tctctgccag 540
ttcagctctt cattcttcaa ggcctgacct tgtctgacct ttgtgcctct aaaccctggg 600
gccccacctc tcttggttcc tatgtcaggt gatgtttgtg tttttgggta tgcccatctc 660
catagccaga ccaagcactc tgggaagccag ggttgggtgc ttatttatct gtttgccatg 720
cagaaaaatat cttgcacaaa attacctctg ttaaggaatc tgaagctgaa tttagtttg 780
ctgagtcagg gttgggtttt ttttaagggg ctgtgggggtg aaatgttgac tgggaagccac 840
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tcattgacag tttctgattg ccctgagcac caggtctcat cttgcatctc atcctggcct 960
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gaagttgggg ttgaggagag ccagatggct ggagtgggta tttgaaggkc tttctgtcac 1080
ctgttcagtg tggctgtgcc caccctgct gacmaagact gactgaaatg tnaaataata 1140
cagaccatct caactcaga 1159
```

<210> 252

<211> 2488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2334)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 252

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tgtatgncca gctggtactc ctgcaggtac cggtcoggat tcccgggtcg acccacgcgt 60
ccgnngacgc gtgggttgct cggcagcttg caaagcctga caacaccttg tttgtaaaca 120
gaacactttt tgatcaggtc cttgaattcc tttgtagtcc tgacgatgac tcccgcact 180
ctgaaagaca gcaggtcctt ttagaattgc tgacaggtcg aggcatagtt caatttgaag 240
agagtcgact catccggatg gcagaaaaag ctgagttcta tcaaatttgt gaatttatgt 300
atgaaagaga acaccaatat gacaaaatta ttgattgcya cttacgtgac cctctgcgag 360
aggaagaagt ctttaattac attcacaata tcttayccat tcccggacac agtgcagagg 420
agaagcagtc tgtatggcag aaagcaatgg atcatattga ggaacycgkg kccctgaagc 480
cttgtaaagc tgcggagctg gttgccaccc acttttctgg acatattgaa acggtcatta 540
aaaaacttca gaaccaggtt ttgcttttca aatttttgag gagtcttctt gacccaaggg 600
aagggtattca tgtaaatcaa gaattactgc aaatatctcc ttgtatcaca gagcagttca 660
ttgagctggt gtgtcagttc aacccaaccc aagttataga gactctgcaa gtccttgagt 720
gctaccgtct ggaagaaact attcagatta ctcagaagta tcaacttcat gaagtcaccg 780
cttatctatt ggaaaagaaa ggagatattc atggtgcctt cctaataatg ttagagagac 840
tacaaagcaa acttcaagag gtaacacatc aaggtgaaaa taccaaagag gatccctcat 900
tgaaggatgt tgaagatact atggtggaga ccattgctct ttgccagaga aattcacata 960
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gaatgttaga tacctttaac tatgaacaaa ccctgctgga aacaacaacc agccttytaa 1260
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atgagaactt ccagctgcag ctcatctctc cacctgtgac tgaggattga tgactccatg 1860
gagcctggcc caggagaacc agagatgatc ccgaggcagc tggggagagg ccccgctct 1920
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gtgcccagag cgtccacagc accattccca gtgtagactc ccagtcttct ccacattgct 2040
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cacatactc tgtccagctt tttaggaaat acatttcgcc tattgcgact tttccattt 2160
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ttggccaggc tgcaatataa ctgaagcatg ccttgagag agcagacact gtgngggcca 2340
gggccatctc ctttaaatgt gtcatgtta aaacctattt gagtgtaga cttgcccttt 2400
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agtctgtcaa gtcatggagg acatttcg 2488
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<210> 253  
<211> 1554  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1535)  
<223> n equals a,t,g, or c

<400> 253  
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cgggtcgacc cactcgctccg nggacgcgtg gggtctggtt ttgctctagt gtttgggttt 120  
cttcgcggct gctcaagatg aaccgactct tcgggaaagc gaaaccaag gctccgccgc 180  
ccagcctgac tgactgcatt ggcacggtgg acagtagagc agaatccatt gacaagaaga 240  
tttctcgatt ggatgctgag ctagtgaagt ataaggatca gatcaagaag atgagagagg 300  
gtcctgcaaa gaatatggtc aagcagaaa ccttgcgagt tttaaagcaa aagaggatgt 360  
atgagcagca gcgggacaat cttgccaac agtcattcaa catggaacaa gccaattata 420  
ccatccagtc tttgaaggac accaagacca cggttgatgc tatgaaactg ggagtaaagg 480  
aaatgaagaa ggcatacaag caagtgaaga tcgaccagat tgaggattta caagaccagc 540  
tagaggatat gatggaagat gcaaatgaaa tccaagaagc actgagtcgc agttatggca 600  
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gtgttcccac tgatacaaaa aacaaggatg gagttctggt ggatgaattt ggattgccac 780  
agatccctgc ttcatagatt tgcattcattc aagcatatct tgtaaaacaa acacatatta 840  
tgggactagg aaatatattat ctttccaaat ttgccataac agatttaggt ttctttcctt 900  
tctttgaagg aaagttaaat tacattgctc ttttattttt tccattaaga gactcattgc 960  
ttgggaaatg ctttcttcgt actaaaattt gattcctttt tttcttatga aaaacgaact 1020  
cagtttaaaa gtatttttag ctcgtatgac ttgttttcat tcattaataa taatttgaaa 1080  
taaaactaag gaaatggaat cttaaaagtc tatgacagtg taactctaca gtctcaaaat 1140

```

gacctgataa attgataaga caaagatgag attattgggg ctgttcatat tatgattcag 1200
aatcattttc tattgtggta ttatagggtg gttaaagtga tggccttttt gatgggtttt 1260
gttgtgtctt gtgaacaagt cgttactgtg tccattattg gaatggaatt atcactactg 1320
tatcatgagt ggggtattttg attctatggt tccctcagta ttacatcttg acttgtaatc 1380
aattatgaat atttcttgat atttaagtga taggacattt atttatactc aataaatatt 1440
tttcaaaagg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagggggcg cccgcncatg 1500
aggatcccc gagggggggc cangcttacg cgtgncatgc gacgtccaaa gccc      1554

```

<210> 254

<211> 1506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1506)

<223> n equals a,t,g, or c

<400> 254

```

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ctttgtagct gagaacggct tgtttattgc tacaaagact ctattgacat tggtagcttc 180
agcggcagca gcttcttacg gtataaagct gttgcttcct gaagaggcta caagcatcct 240
tccctaggac tgctgtaagc tttgagcctc tagcaggaga catgcctcgg ggacgaaaga 300
gtcggcgccg ccgtaatgcg agagccgcag aagagaaccg caacaatcgc aaaatccagg 360
cctcagaggc ctccgagacc cctatggccg cctctgtggt agcgagcacc cccgaagacg 420
acctgagcgg ccccaggagaa gacccgagca ctccagagga ggcctctacc acccctgaag 480
aagcctcgag cactgcccaa gcacaaaagc cttcagtgcc ccggagcaat tttcagggca 540
ccaagaaaag tctcctgatg tctatattag cgctcatctt catcatgggc aacagcgcca 600
aggaagctct ggtctggaaa gtgctgggga agttaggaat gcagcctgga cgtcagcaca 660
gcatcttttg agatccgaag aagatcgtca cagaagagtt tgtgctgaga gggtagctga 720
tttataaacc ggtgccccgt agcagtcagg tggagtatga gttcttcttg gggccccgag 780
cacacgtgga atcgagcaaa ctgaaagtca tgcattttgt ggcaagggtt cgtaaccgat 840
gctctaaaga ctggccttgt aattatgact gggattcgga cgatgatgca gaggttgagg 900
ctatcctcaa ttcaggtgct aggggttatt ccgccccta agtagatctg aggcagacct 960
ttgggggtgt aaaagagagt cacaggtacc ccaaggagta gatgccaggg tcctaagttg 1020

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```

aaaatgatgt cgattggggg cggggggacac tgtatttgat atttgtgatc agtgatcatt 1080
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tccgtttgtt gagaataaca atatgtttta aaatataatt gaacaaattt ttttctttgt 1200
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tttgtgtctg ctgttgtgtg aagattgaca tttaccatga ttttccttag ttactgcaga 1440
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ncccggn                                     1506

```

```

<210> 255
<211> 654
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

```

```

<400> 255
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cgtctgccat cggcgccatc ctgcaatcta agccacaatg gtgcgcatga atgtcctggc 180
agatgctctc aagagtatca acaatgccga aaagagaggc aaacgccagg tgcttattag 240
gccgtgctcc aaagtcatcg tccggtttct cactgtgatg atgaagcatg gttacattgg 300
cgaatttgaa atcattgatg accacagagc tgggaaaatt gttgtgaacc tcacaggcag 360
gctaaacaag tgtgggggtga tcagccccag atttgacgtg caactcaaag acctggaaaa 420
atggcagaat aatctgcttc catcccgcca gtttggttcc attgtactga caacctcagc 480
tggtcatcatg gacctgaag aagcaagacg aaaacacaca ggagggaaaa tcctggggatt 540
ctttttctag ggatgtaata catatattta caaataaaat gcctcatgga caaaaaaaaa 600
aaaaaaaaa aaaaaagggg gsgggtctag anggtccaag cttacgtacg cgtg      654

```

```

<210> 256
<211> 1992
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

```

```

<400> 256
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gtacaactgg cagtatgtgc actgcctctt cctgtggtgc cgggtcctga gcactgcggg 120

```

ccccagcgaa scctccagcc cttggtctac ccccttgccc aagtcacatc tggctgtatc 180  
aagtcacatcc ccactgcccc cttctacccg ctgcgaatgc actgcatccg tgccctgacg 240  
ctgtctctcg ggagctcggg ggccttcac cgggtgctgc ctttcatcct ggagatgttc 300  
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gagcagctgt acgacctcac cctggagtac ctgcacagcc aggcacactg catcggtctc 480  
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gccaaactact gccggcangt gcagcagctg cttgggaagg ttcaggagaa ctcggcatac 600  
atctgcagcc gccgccagag gggttccttc ggcgtctctg agcagcaggc agtggaagcc 660  
tgggagaagc tgacccggga agaggggaca cccttgacct tgtactacag ccactggcgc 720  
aagctgcgtg accgggagat ccagctggag atcagtggca aagagcggct ggaagacctg 780  
aacttcctct agatcaaacg aaggaagatg gctgacagga aggatgagga caggaagcaa 840  
ttaaagacc tctttgacct gaacagctct gaagaggacg acaccgaggg attctcggag 900  
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cgtctgtgca gttgggggag gcagttagaca cgggacaggc ttattattt attttccagc 1260  
atgaaagacc aaacgtatcg agagctgggc tgggctgggc tgggtgtggct gctgaagccc 1320  
cacagctgtg ggctgctgaa gtcagctccg cgggggagct gacctgacg tcagcagacc 1380  
gagaccagtc ccagttccag ggggaggcct gcagcccctg gccmmtcca ccacctctgc 1440  
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<210> 257

<211> 2273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2271)

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<220>

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<222> (2273)

<223> n equals a,t,g, or c

<400> 257

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&lt;210&gt; 258

&lt;211&gt; 1504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 258

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<210> 259

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1306)

<223> n equals a,t,g, or c

<400> 259

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<210> 260

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<400> 260

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<210> 261

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1265)

<223> n equals a,t,g, or c

<400> 261

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&lt;210&gt; 262

&lt;211&gt; 599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 262

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&lt;210&gt; 263

&lt;211&gt; 1261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 263

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<210> 264

<211> 1020

<212> DNA

<213> Homo sapiens

<400> 264

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<210> 265

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 265

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221

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agacgtgcag gtaccatcag gaagcagcgg gataagctga taaaggagg aaagtacacc 360
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ccttgtaaaa gtgtgtaaaa ataaaggatt gctccatcct aaaaaaaaaa aaaaaaaaaa 540
aaaatttggg ggggggnccc cgtancccat t 571
```

&lt;210&gt; 266

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 266

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tgccgccatc gtcgtggggc ttctggggca gctagggctg cccgccgcgc tgcctgcgcc 60
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tccaagctta acgtaagcgt gcatgggaag 1350
```

&lt;210&gt; 267

&lt;211&gt; 1319

222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 267

```
gcaaganaga aattaaccct cactaaaggg aacaaaagct ggagctccac cgcggtggcg 60
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cctactgacc cggcgactga caggctccaa ctaccoggga ctacgtatta gccttcgcct 180
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caacaagatt tcgagagacg ctgactgtcg ggcgttgtg atctcttgtg caggaaaaat 420
gttactgca ggtattgacc tgatggacat ggcttcggac atcctgcagc ccaaaggaga 480
tgatgtggcc cggatcagct ggtacctccg tgacatcatc actcgatacc aggagacctt 540
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggggggggc 1319
```

&lt;210&gt; 268

&lt;211&gt; 3694

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (746)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 268

```
cggagctgcg ccctggtgtg caagcactgg taccgctgcc tgcacggcga tgagaacagc 60
gaggtgtggc ggagcctgtg cgcccgcagc ctggcagaag aggtctctgc caggacatc 120
ctgtgcaacc tgcccagcta caaggccaag atacgtgctt ttcaacatgc cttcagact 180
```

```

aatgactgct ccaggaatgt ctacattaag aagaatggct ttactttaca tcgaaacccc 240
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tggaagtgt ggtgggaggg ccctctgggc actgtggcag tgattggaat tgccacaaaa 360
cgggcccca tcagtgcca aggttatgtg gcattgctgg gcagtgatga ccagagctgg 420
ggctggaatc tgggtggacaa taatctacta cataatggag aagtcaatgg cagttttcca 480
cagtgaaca acgcaccaa atatcagata ggagaaagaa ttcgagtcac cttggacatg 540
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cttccaaagg tctgcttata ccagcagtt tctgctgtat atggcaacac agaagtgact 660
ttggtttacc ttggaaaacc tttggacgga tgacagtggc tttcttgtga tgacmgacas 720
aatggaggag agatctgctt atgggnaakt asaaccatga agtgactgtc acacatgcat 780
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<210> 269

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1233)

<223> n equals a,t,g, or c

<400> 269

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ttttgtattg atatatgtac tgtgtgtgtc tgtgtgtgtg agatcaagat cagggtttga 180
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cgactgtgac gaatgatcgc tcggcaccga tcattcgatg agaggacagc caaggactct 600
cccgggcctc tccggttctc ccttgcggaa tgatgggcgc atcctgtctg ccacgtgctg 660

```

225

```

acgggtcggga agcttcagtg gagaggccta actctaattgt cgcttgctta agcaaatcat 720
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atgtaattta acttaaaatg ttttaagtga gagcttcag agrtgggagg aaacccccac 1140
cctccctcca accacgccag agsctgtagg agtgctaagg acgstttgcc tggcccttta 1200
tcacagccac acgtaggcac ytcgacggga atnctccctt cc 1242

```

&lt;210&gt; 270

&lt;211&gt; 2057

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2053)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2054)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 270

```

cggagcgggt tgtaatgtat tncctggattt tattttgctg tattagctcc tcaagagtta 60
ctgatctatg aaatggcaga gaatggaaaa aattgtgacc agagacgtgt agcaatgaac 120
aaggaacatc ataattgaaa ttccacagac ccctcttcag tgaatgaaaa gaagaggagg 180
gagcgggaag aaaggcagaa tattgtcctg tggagacagc cgctcattac cttgcagtat 240
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tataaggaaa atctggttggt tgtcttacia gtgagctgac accatttttt attctgtgta 1920
tttagaatga agtcttgaaa aaaactttat aaagacatct ttaatcattc caaaaaaaaa 1980
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aaaaaaaaaa aannaaa 2057

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<210> 271

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (956)

<223> n equals a,t,g, or c

<400> 271

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<210> 272

<211> 1167

<212> DNA

<213> Homo sapiens

<400> 272

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<210> 273

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2715)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2717)  
<223> n equals a,t,g, or c

<400> 273  
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ccagcagtc ttcaggggaag atgggagggc aggagaagcc gattgggtgct ggtgaagaga 240  
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cctgtggaat tagtcaaggc ctggccgaca acaccgttat tgctaaagta aataatgttg 540  
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cagtgtattgt tcatcgagcc atcttgggat cagtggaaag aatgattgct atcctcacag 1980
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taagccgaat t 2771

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<210> 274

<211> 1889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1676)

<223> n equals a,t,g, or c

<400> 274

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aatagaccag cctgcaggaa ctggcacact gtcgagaaca aatcctccta ctcagaaacc 180
gccaaagtcct cccatgtcag gccggggaac actgggacg gataactcctt ataaaaaccct 240
ggaacctgtt aaaccccaaa cagttcctaa tgactatatg accagtcctg ctaggcttg 300
aagtcagcat agtcaggca ggacagcatc tttaaatcag agaccaagga cacacagtgg 360
aagtagtgga ggaagtggaa gtcgagaaaa cagtggtagc agtagtattg gcattcccat 420
tgctgtgcct acaccttcgc caccactat tggaccagca gcccgggct cagctcctgg 480
ttcccagtat ggcacaatga ccaggcagat atctcgacac aactctacta cttcttcgac 540
atcttctggg ggatacagac gaactccctc tgtgactgct caattttctg ctcagcctca 600
tgtaaatgga ggtccacttt attctcaaaa ttcaatttct attgctccac cccctcccc 660
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cattataaac tttttccatt cataaataca taagtgaacc aaaggttttt gtcttttcct 1800
tactgattt gctttaaaaa aaataaaaga taatgattta ttgcagaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaaaataaa aaaaaataaa 1889

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&lt;210&gt; 275

&lt;211&gt; 604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 275

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tcttgccatc ctctcaacag ctctgtgggg tgggtcctcc cccatacctg atgcaccgac 180
cacacagtgg aaagtgacaa agccagcgcc ttgccccagg ccccgagggg tggagcccg 240
ctgctcaggg ttgcaggccc agattctcca ctgctaccga gatcgccgc atgaggtgct 300
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cctggggctg ccacgtgttt aggaacaaaa gtatgcgcta ctgtctgaaa acaataaaag 540
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aaag 604

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&lt;210&gt; 276

&lt;211&gt; 1381

<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (1348)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1349)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1350)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1358)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1359)  
<223> n equals a,t,g, or c

<400> 276  
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ctgagctggc agaagacaag gagaattaca agaaattcta tgaggcattc tctaaaaatc 180  
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aggagacaca gaagtccatc tattacatca ctggtgagag caaagagcag gtggccaact 360  
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ttgacgagta ctgtgtgcag cagctcaagg aatttgatgg gaagagcctg gtctcagtta 480  
ccaaggaggg tctggagctg cctgaggatg aggaggagaa gaagaagatg gaagagagca 540  
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gctggacagc caatatggag cggatcatga aagcccaggc acttcgggac aactccacca 720  
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c 1381

<210> 277

<211> 1149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (680)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1088)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1140)

<223> n equals a,t,g, or c

<400> 277

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atgtcaaaaag gactgatga agatattttc tctggagtct cttctttct aaccggctc 180  
tcccgatgtg aaccgagccg tcgtccgccc gccgcccgcg ccgcccgcgc cgccgcccgc 240  
cccgagcccc accatgtctc gccgcaagca aggcaaacc cagcacttaa gcaaacggga 300  
attctcgccc gagcctcttg aagccattct tacagatgat gaaccagacc acggcccgtt 360  
gggagctcca gaaggggatc atgacctcct cacctgtggg cagtgccaga tgaacttccc 420  
attggggggac attcttattt ttatcgagca caaacggaaa caatgcaatg gcagcctctg 480  
cttagaaaaa gctgtggata agccaccttc cccttcacca atcgagatga aaaaagcatc 540  
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atctagagga atttgcccca aacaggaaca catagcagat aaacttctgc actggagggg 660  
cctctcctcc cctcgttctn gcacatggag ctctaattccc cagcctggg atgagtgcag 720  
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acagccattc accagtgcac ggtttctctt gcaacacgca cagaacactc atggattaag 840  
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ccgagttgc 1149

<210> 278

&lt;211&gt; 811

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 278

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cgcgcgcgcg acgccatcct ggatgcgctg gagaacctga ccgccgagga gctcaagaag 180
ttcaagctga agctgtctgtc ggtgccgctg cgcgagggct acgggcgcat cccgcggggc 240
gcgtgtctgt ccatggacgc cttggacctc accgacaagc tggtcagctt ctacctggag 300
acctacggcg ccgagctcac cgctaactgt ctgcgcgaca tgggcctgca ggagatggcc 360
gggcagctgc aggcggccac gcaccagggc tctggagccg cgccagctgg gatccaggcc 420
cctcctcagt cggcagccaa gccaggcctg cactttatag accagcaccg ggctgcgctt 480
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ccggtcascc ctggcaatcc caccaaatca tcctgaatct gatcttttta tacacaatat 780
acgaaaagcc agcttgaaaa aaaaaaaaaa a                                     811
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&lt;210&gt; 279

&lt;211&gt; 1260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1252)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 279

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ctttktgatc acagcatctt cacaaggacc aaaggaaaat aagatttcty gtaagaacac 240
cgtgaccaca tctttaaact gacccatttc gtggctycca caagatttac acctycacac 300
tgaggccgga agtggttttg cccctataaa acatggcgaa aagctttctt gtctccaagg 360
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gatggcgccc ctactaaagc cttgggggta gtacgcgtcg cagcagcttc ttccgacagt 480
tgtgttgtgc caatgggtga gaagaaaact tcggttcgtc cccaggaccc cgggcagcgg 540
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aatgacaact tccaggatga cccccacgcg ggactccctc agctcggcaa gagactgcct 660
cagtttgatg acgatgcgga cactggaaag aaaaagaaga aaacccgagg tgatcatttt 720
aaacttcgct tccgaaaaaa ctttcaggcc ctgttggagg agcagaactt gagtgtggcc 780
gagggcccta actacctgac ggccctgtgc ggaccccat cgcggcccca gcgcccttc 840
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actgtgcgct gtctggggac ccaccaggag accagggtgc tgaagtggac tgtgtgagcc 960
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acaaaactgt gtcttatctg ccaggaaaga ccagcctcac tcctgggaac tgtctggcag 1140
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaant tngggggggg 1260

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&lt;210&gt; 280

&lt;211&gt; 1668

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 280

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ttgattgtsa cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 180
gacgaagact ttcaaaatct aaaactgcgg tcgacaggct tcaccaatct tggagcagaa 240
gggagcgctt ttctaaggt caggataacg gcctccagag acagccagat gcaaaatccc 300
tattcaagcc acagcagcat gccccgccct gactattaga atcataagaa tgtggaaccc 360
gccatggccc ccaaccaatg tacaagctat tatttagagt gtttagaaag actgatggag 420
aagtgagcac cagtaaagat ctggcctccg ggggttttct tccatctgac atctgccagc 480
ctctctgaat ggaagtgtg aatgtttgca acgaatccag ctacttgct aaataagaat 540
ctatgacatt aaatgtagta gatgctatta gcgctgtca gagagggtgt tttcttcaat 600
cagtacaaag tactgagaca atgggttaggg ttgttttctt aattcttttc ctggtagggc 660
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agtgcctttg ttagatggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1668

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&lt;210&gt; 281

&lt;211&gt; 2328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 281

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&lt;210&gt; 282

&lt;211&gt; 956

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 282

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<210> 283

<211> 1402

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (88)

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<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1394)

<223> n equals a,t,g, or c

<400> 283

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<210> 284

<211> 675

<212> DNA

<213> Homo sapiens

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<220>

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<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 284

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<210> 285

<211> 1339

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (1331)

<223> n equals a,t,g, or c

<400> 285

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaan naaaaaaaaa 1339

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<210> 286  
<211> 1398  
<212> DNA  
<213> Homo sapiens

<400> 286  
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ggcaagtgga caccacaaag gcagtgatca ctttgcagcc tccatgggtc agcgtgttcc 180  
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<210> 287  
<211> 926  
<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (917)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 287

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&lt;210&gt; 288

&lt;211&gt; 3094

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 288

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&lt;210&gt; 289

&lt;211&gt; 1983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 289

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ggtccttcac caccagccg ctggaggaa ccttctctgc cagcgatctc gcagactgt 1920
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<210> 290

<211> 1298

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1285)

<223> n equals a,t,g, or c



&lt;400&gt; 290

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aagctacccc agggcccgca tacagtgggt gagagataat atacccaat gcatccctgc 420
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angaccctat gaatgtggaa tccanaacaa attaagtg 1298
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&lt;210&gt; 291

&lt;211&gt; 2459

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1604)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1605)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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 <222> (2374)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2392)  
 <223> n equals a,t,g, or c

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 tcgcagaggg gaaggagggt cttctactcg cccacaacct gccccagaat cgtattgggt 300  
 acagctggta caaaggcgaa agagtggatg gcaacagtct aattgtagga tatgtaatag 360  
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<210> 292  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

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tgattcagtc tgccttgtaa cagaaactgg cgatggaata tgagaggagc cctctggaaa 360
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gttactgtat acatagcctg agtttaaaag gctgtgcccc cttcaagaat gtcattgtta 480
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aaaaaaaaaa raagggggcc gctctanagg                               570
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<210> 293  
 <211> 2468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2076)  
 <223> n equals a,t,g, or c

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cccaattcat ggatatgagg gtggtttatg attaaggggt tatataaata aatgttttcta 1020
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taaaaaaa
2468

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&lt;210&gt; 294

&lt;211&gt; 1080

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1038)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 294

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caggccagca gacagtgggt tttgctggac acagtgggga tgtgatgtcc ctgtccctgg 180
ccccgatgg ccgcacgttt gtgtcaggcg cctgtgatgc ctctatcaag ctgtgggacg 240
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<210> 295

<211> 2695

<212> DNA

<213> Homo sapiens

<400> 295

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tccatatata cagaaattag acaaataata agtcttttagt tcaacttaag catatctcaa 180
atgacttctc taaattttaa gttgatcatg ataggatcat aaaagacaga aaagacttaa 240
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ttagaaccct ccacttttaa aattatacaa atatttcttt ttacattac acagaagcct 420
tctgtaccat ttacgaatt tctgtcttca taatataagt gaaaatactg tcatttcaat 480
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caatcagtca ttcagttgat agacaaagt agcgatgctt tatgctagga aacttggtga 600
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<210> 296

<211> 1394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1238)

<223> n equals a,t,g, or c

<400> 296

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ggacaagttc attgaagact atctcttgcc agacacgtgt ttccgcatgc aaatcaacca 180
tgccattgac atcatctgtg gggtcctgaa ggaaagggtgc ttccgaggta gctcctaccc 240
tgtgtgtgtg tccaagggtg taaagggtgg ctctcagggc aagggcacca ccctcagagg 300
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aaatcgccgg ggagagttca tccaggaaat taggagacag ctggaagcct gtcaaagaga 420
gagagcattt tccgtgaagt ttgaggtcca ggctccacgc tggggcaacc cccgtgcgct 480
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tatagtgaca ggctgtgctc catattttac agtcattttg gtcacaatcg agggtttctg 1320
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acaccaaaaa aaaa 1394
```

<210> 297

<211> 998

<212> DNA

<213> Homo sapiens

<400> 297

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acattccttg tgacgactgc gcatgctcgg aaaggggacg caatcragat cccaaacgcg 180
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ataccgccac agccctggca ggcggcgctg tgatgcctga gctgatcctc tctcctgcc 360  
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tcaagagcac ctcacagctg ctgagccgtc cgctatctgc agtgggtgctg aaacgaccgg 480  
agatactgac agatgagagc ctcagcagct tggcagctctc atgtcccctt acctcacttg 540  
tctctagccg cagcttccaa accagcgcca tttcaaggga catcgacaca gcagccaagt 600  
tcattggagc tggggctgcc acagttgggg tggctgggtc tggggctggg attggaactg 660  
tggttgggag cctcatcatt ggttatgcc aagaaccttc tctgaagcaa cagctcttct 720  
cctacgccat tctgggcttt gccctctcgg aggccatggg gctcttttgt ctgatggtag 780  
cctttctcat cctctttgcc atgtgaagga gccgtctcca cctcccatag ttctcccg 840  
tctgggtggc cccgtgtgtt ccttttccta tacctcccca ggcagcctgg ggaacgtgg 900  
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 998

&lt;210&gt; 298

&lt;211&gt; 1666

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 298

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gctttkttg gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180  
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tggtttatgt cttcagtcag gattttacag ttttggagg cagctctgtc ggagcacatg 300  
ccaaaagat ctgcaaaatc atggaccagg ccataacggt gggggctcca gtgattggc 360  
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acatctttct gaggaatgtt acggcatccg gagtcatccc tcagatttct ctgatcatgg 480  
gcccatgtgc tgggtggggc gtctactccc cagccctaac agacttcacg ttcatggtaa 540  
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cattgtaaac aaatcaaagg aaaagaaacc aagaactgaa ttactgtctg cccattcaca 1560  
tccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620  
ataactaagt ttattaaatt ctagaagat aaaaaaaaaa aaaaaa 1666

&lt;210&gt; 299

<211> 2444  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<400> 299  
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251

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gggtgaatca gtgttttaaat cggattttta aaaaacattt tatttccttg tacaattacc 2340
atcctatgta aagatgaaat ttgtgttgag ttgaagattg tcatggaata aagatcacac 2400
cgtacttgag gccatcttca tgtaaaaaaa aaaaaaaaaa aaaa 2444

```

&lt;210&gt; 300

&lt;211&gt; 1026

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1026)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 300

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aaaaan 1026

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&lt;210&gt; 301

&lt;211&gt; 830

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 301

```

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agtggcagtg ctgagtttca tcctctccag tgcggccaag cacagtgtcg atggcgaatc 180
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ctgttatgag gagaagcaaa gcccttgca gaagcacttg cgggtctgca gcctacgcat 300
gaataggttg gcaggtgtgg gctggcgggt ggactacacc ctgagctcca gcctgctgca 360
atccgtggaa gagcccatgg tgcacctgcg gctggaggtg gcagctgccc cagggacccc 420
agcccagcct gttgcatgtt ccctctcagc agacaagttc caggtcctcc tggcagaact 480
gaagcaggcc cagaccctga tgagctccct gggctgagga gaagggtgtt ccaggcctgt 540

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gtggagccgc cctgcccgtg tggagtcacg ccctctgaac tgctcttcgg gaggcagccc 600
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acttctctct tgagaacttg gctcagggtt cctgaggacc tttcccagca ttaccttccc 720
ttcccttgaa aggcaattgt tggctgtttt cataagcagg aaaaataaac agaagtataa 780
aggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 830
```

<210> 302

<211> 3300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3280)

<223> n equals a,t,g, or c

<400> 302

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cctgatgggc ggggaggtag ccagcggcgc ctgcatgaag accggactct ggaagagcga 180
aactaccgtc taaggtgggg cgggcgacgc ggtagacggg ctggccacgc ggctcgttcc 240
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gatggctgga ggaagcccac aggcggatgt tccccacttg cctagagggc atccctctgg 360
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aagttaataa aggtagttag agaaaacagg gcgtcttccg cttgttaggg gnagggtggaa 3240  
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<210> 303

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 303

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aaaaaaaaat cctgtcttgt tcataaattg acaatgtcaa taaattgaaa tatgggtcac 420
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<210> 304

<211> 2902

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2888)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2891)

<223> n equals a,t,g, or c

<400> 304

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aaacgcagta ccatggtcgg aacgccatac tggatggcac cagagktggt tacacggaaa 180
gcttatggcc cttaaagtcga catatggtct ctgggtatca tggctattga gatggtagaa 240
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ggaaccccag aacttcagaa tccagagaaa ctttcccaa tatttcggga tttcttaaat 360
cgatgtttgg aaatggatgt ggaaaaaagg ggttcagcca aagaattatt acagcatcct 420
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agttcagaac ttgacctgaa ggaagggaag aaaagtatgt gatttttacc ttttttaaca 1140
```

```

aatgtgaaaa agtcagtttt agaaatttcg tggtagtaag ttcggcattt gttacatgta 1200
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gccactacct tcttccctcc tttccccctt caatttggaa ataaatttct gtatatgttg 1440
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aggttttatt tccattattt tatttccact atatctatga taagatgcaa ttataaggag 2280
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gtttgggatt tgtagttgcg actcttctga tagttacctg cacgtccatt gctggcaact 2760
gacttgtcat taaaacctgg ctctttgggt aaggagagta cgctgtgggt tattcttaag 2820
ttacgtggat aaactaacct ctaacagaaa tatactttgg ttaattttga aaaaaaaaaa 2880
aaaaaacnng ngggggggcc cg 2902

```

&lt;210&gt; 305

&lt;211&gt; 1553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 305

```

ggcgacgcgg tatttgaatc ctggaacaar gctacagcgt cgaagatccc cagcgtgcg 60
ggctcggaga gcagtcctaa cggcgcctcg tacgctagtg tctcccttt tcagtccgcg 120
tccctccctg ggccgggctg gcaactcttg cttccctgct cctcatggcg ctgctccgac 180
gcccgacggg gtccagtgat ttggagaata ttgacacagg agttaattct aaagttaaga 240
gtcatgtgac tattaggcga actgttttag aagaaattgg aaatagagtt acaaccagag 300
cagcacaagt agctaagaaa gctcagaaca ccaaagttcc agttcaaccc accaaaacaa 360
caaatgtcaa caaacaactg aaacctactg cttctgtcaa accagtacag atggaaaagt 420
tggctccaaa gggtccttct cccacacctg aggatgtctc catgaaggaa gagaatctct 480
gccaagcttt ttctgatgcc ttgctctgca aaatcgagga cattgataac gaagattggg 540
agaacctca gctctgcagt gactacgtta aggatatcta tcagtatctc aggcagctgg 600
aggttttgca gtccataaac ccacatttct tagatggaag agatataaat ggacgcatgc 660
gtgccatcct agtggaattg ctggtacaag tccactccaa gtttargctt ctgcaggaga 720
ctctgtacat gtgcgttggc attatggatc gatttttaca gggtcagcca gtttcccgga 780
agaagcttca attagttggg attactgctc tgctcttggc ttccaagtat gaggagatgt 840

```

```

tttctccaaa tattgaagac tttgtttaca tcacagacaa tgcttatacc agttcccaaa 900
tccgagaaat ggaaactcta attttgaaag aattgaaatt tgagttgggt cgacccttgc 960
cactacactt cttaaggcga gcatcaaaag ccggggaggt tgatgttgaa cagcacactt 1020
tagccaagta tttgatggag ctgactctca tcgactatga tatggtgcat tatcatcctt 1080
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atgtgtgctt cattgtgcc ttttcttat tggttttaga ctcttgattt tgtacatagt 1440
cctctggtct atctcatgaa acctcttctc agaccagttt tctaaacata tattgaggaa 1500
aaataaagcg attggttttt cttaaggtaa aaaaaaaaaa aaaaaaactc gag 1553

```

<210> 306

<211> 1987

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<400> 306

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agtagagcct ctgttcctac tgactatagc tacttgcctg aaagcagttt tattggagca 120
gctattggct tcttcattac aggaggaaaa aaaggtcctg aatctgtgcc tccttcctct 180
cttaaagtag tgatgaaacc catagcaact gttggagaaa gctaccaata tcctcctgtg 240
aactgggctg cacttctctc tccacttatg aggctaaatt ttggtgaaga gatccagcaa 300
ctgtgccttg aaattatggg gaccaggcca cagtcatccc agaatgcagc tgcactattg 360
ggcttgtggg tgacaccacc actgatccac agtctgagtc tgaataccaa gagatatctc 420
ctgatattctg cacctctgtg gataaaacac atctctgatg aacagatcct ggggtttgtt 480
gaaaatttaa tgggtggcagt ttttaaagca gcttccccac ttggaagtcc tgagctatgc 540
ccaagtgtct tacacggtct gagccaggcc atgaaactgc ccagccctgc ccaccacctc 600
tggagctctg tctctgaagc tactgggaaa atttttgacc tcctgccaaa taagattctg 660
agaaaggatc tagagctgta tatcagcata gcaaaatgcc tcttagaaat gacagatgat 720
gatgccaatc nggatcgccc aggttactaa gagcaacata gaaaaagctg cctttgtcaa 780
actgtactta gtctctcaag gacgattccc cttggtgaac ctgaaccgat atgctgagcg 840
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aggcacggat tgtgagccat gccaatacgg gcgttttgaa gagaatggag tggctcttgg 960
aactgatggg ttatattaga aatgttgctt accagtcac atcctttcac aatacggtc 1020
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accacactgc cctctcctc ctccgctcca gtgccagttg gttgccatgg catcaggaga 1140
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agtaaccagc agcattctca gctggatgag gaaaaccata taagtgaag aagtttttca 1500
gaattcatgc ctggtattgc tgagacatga tgcagagagt taagggtcat gaaaagatgg 1560
ccacatcact gacagcttga cacatgcctc ctaagagagg agtgcatgtc tttagtacct 1620

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gggccagttg agactgaaac aggaacttgg attttcttta ttggccttga gttcaatgtg 1680
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aatgttggtca attttgtgcg tgtgactttt gttttaaggc atgggggaag gtgccagaac 1800
cacttggtga caatggcatt atgatctatt ttccatgaat ctccatgagg atattcattg 1860
actcagttag ttagacaaat ttccttattg ataaaacact ctcttggaac tgctatacac 1920
atttaaataa taagcataac attgaatatt agctaaatca gattcattaa tgggtgtctat 1980
catttcc                                     1987

```

&lt;210&gt; 307

&lt;211&gt; 785

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 307

```

gcgcgacccg ccccggtccc tccagtctgg cctggggcgc gcgggaacgc tgccttggtc 60
gccgccaccc gaacagcctg tcttggtgcc ccggctccct gcccgcgcgc cagtcattgac 120
cctgcgcccc tcaactctcc cgtcccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccggggt gaggttgggc tcgaaaccga aagtcccgtc cggaccctcc aagtggagac 240
cctggtggag ccccgagaac catgtgccga gcccgctgct ttgggagaca cgcttcacat 300
acactacacg ggaagcttgg tagatggacg tattattgac acctccctga ccagagaccc 360
tctggttata gaacttggtc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
catgtgtgtg ggagagaagc gaaggcaat cattccttct cacttggcct atggaaaacg 480
gggatttcca ccatctgtcc cagcggatgc agtgggtgcg tatgacgtgg agctgattgc 540
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ggccatggtg ccagccctcc tgggcctcat tgggtatcac ctatacagaa aggccaatag 660
acccaaagtc tccaaaaaga agctcaagga agagaaacga aacaagagca aaaagaaata 720
ataaataata aatttttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaa                                     785

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&lt;210&gt; 308

&lt;211&gt; 2178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 308

```

ggcagaggrc gggaagaccg agtggctctt tggcatggat gagggccgga aacagctggc 60
ggccagtgtc ggcttcagga ggttgattac agtggccctt caccgaggtc agcagtatga 120
aagcatggac cacatccaag ctgagctgtc rgctagagtc atggagctgg cccagctgg 180
gatgccacc cagcagcagg tcccctttct gtctgtgggt ggggacattg ggggtccggac 240
cgttcagcac caagactgca gccccttgag cggtgactat gtcattgagg atgtgcaagg 300
ggatgacaag cgatacttcc gtcgactgat ctccctcagc aacaggaatg tgggtgcagtc 360
cgaagccagg ttgctgaagg atgtgtctca caaagcccag aagaagcggg aaaaggacag 420
gaagaagcag cggcctgctg atgcggagga cctccctgca gcccgggggc agtccattga 480
taagagttac ctgtgttgtg aacaccacaa agccatgatc gctggccttg ccctgctgag 540
aaaccagag ctactcctag agatcccact ggcattgttg gtggtaggcc tgggcggggg 600
cagcctcccc ctctttgtcc acgatcattt tccaaagtcc tgcattgatg ctgtggagat 660
cgatccctcc atgttggaag tggccaccca gtggtttggc ttctcccaga gtgaccgaat 720
gaagggtccac attgcagatg gcctggacta tatcgccagc ttggcaggag gaggagaagc 780
acggccttgc tacgatgtca taatgtttga tgttgacagt aaggacccaa cactgggaat 840
gagttgtccg ccccgagcat ttgtggagca atcttttcta cagaagggtt aaagcatctt 900
gactcctgaa ggtgttttta ttctcaacct tgtgtgccga gacttggggc taaaagactc 960

```

```

agtgtgtggt ggggtcaagg cagtgttccc cctcctatat gtccggcgaa ttgaggggtga 1020
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cctagaaaca gcccaggctt tggagcggac cctgaggaag cctgggaggg gttgggatga 1140
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gataaaggat acttaagccc aaactatata taaacccaaa tctcacttgg ctggaaacat 2100
caatcttaac cattttattca gaaccattaa accaatgatt ccaaaaaaaaa aaaaaaaaaa 2160
aaaaaaaaaa aactcgta                                     2178

```

&lt;210&gt; 309

&lt;211&gt; 875

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 309

```

caagctcctg tggccacctg tgtcccagca gcagtgagt gagctgctca ggggtgccctc 60
tcctgctggc cagtctctga atgttcaaa atgagggcct ggcttccgtg ctctggcttt 120
gtaacttatc tggaagggaag agcacatgcc ttacaggga gggatgttc cttttcttct 180
cgggggtgtg acttgcatc ctgtgtgaac tgttccctct gccatgttta ccgtgtgatg 240
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ccttctctcc tccaaatcag tctcttccct tctccactag ataactgtaa aaccttttcc 360
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gtttatcact gttgggtgga gtcacgtccc ttccctccac cgaagtcac aaccagatag 480
ggaagggaag gatgaggccc agaaaacgag ttcaaactct aggtcttgta cacgtatgta 540
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gtctgttgaa ttttgtgctt gggaatggag ctggaggagg tggggcctgt gtacagcagc 660
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gtgtgtgcag aggtctgtgt cccatcctct gcacctcct tccggggggc tggggagccc 780
cacgtgttgc caagatcttg gtgcaataaa atactccggt tttgtgaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa                                     875

```

&lt;210&gt; 310

&lt;211&gt; 756

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature



<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (684)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (756)

<223> n equals a,t,g, or c

<400> 310

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ggaagctccg tagtcaccga cgagaccaga agtggcatga taaacagtat aagaaagctc 180
atttgggcac agccctaaag gccaacctt ttggaggtgc ttctcatgca aaaggaatcg 240
tgctggaaaa agtaggagtt gaagccaaac agccaaattc tgccattagg aagtgtgtaa 300
gggtccagct gatcaagaat ggcaagaaaa tcacagcctt tgtaccaat gacggttgct 360
tgaactttat tgaggaaaat gatgaagttc tggttgctgg atttggtcgc aaagggtcatg 420
ctgttggtga tattcctgga gtccgcttta aggttggtcaa agtagccaat gtttctcttt 480
tgcccttata caaaggcaag aaggaaagac caagatcata aatattaatg gtgaaaacac 540
tgtagtaata aattttcata tgccaaaaaa aaaaaaaaaa aaaaaaaagg gsgggcscyc 600
taaaagatcc tcnaagggcc aagcttacgc tgcatgcnac tctactctct cctatatgaa 660
tctattataa ctagcctggc ctenttacac tctgatggaa ttctactgga ttttaagact 720
atcttggtat atgacactct caaataacca gtattn 756
```

<210> 311

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (834)

<223> n equals a,t,g, or c

<400> 311

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ccaggagcac agctgtgatg aacagtactt gtgtcagttc tgtgaacatg aaactaatga 120
tccagaagac ttgcatagcc atgtggtaaa tgagcatgca tgtaaattaa tagagttaa 180
tgataagtat aacaatggtg aacatggaca gtatagcctc ttaagcaaaa ttacctttga 240
caaatgtaaa aacttctttg tatgtcaagt atgtggtttt cggagtagac ttcacacaaa 300
tgtaaacagg catgttgcta ttgaacatac aaaaattttt cctcatgttt gtgatgactg 360
tgggaaaggc ttttcaagta tgctagaata ttgcaagcat ttaaattcac atttatctga 420
```

```
agggatttat ttatgtcaat attgtgaata ttcaacagga caaattgaag atcttaaaat 480
tcatctagat ttcaagcatt cagctgactt gcctcataaa tgtagtgact gcttgatgag 540
gtttggaat gaaaggaat taataagtca ccttcagtc catgagacaa cttgattatt 600
ctctttaact tacagaatgt tagtttaaaa taataaattc atcctttttt tggagatgat 660
taaattggatg attgtaaaca caacttatga aatctgcctt taacaagtaa cttttttaaa 720
ttataaaatt ttattggcat tgctccattt tctgtatata aatataatctt taatgtggta 780
ttttcaaaaa aaaaaaaaaa aaaaaaatcc acgcggccgc gaattcccgc gtcnaacaag 840
ctcactaatc c 851
```

<210> 312

<211> 1335

<212> DNA

<213> Homo sapiens

<400> 312

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cagaaccgca ccagcagcca accttgccag caggattcct gcagcctctg cggcagccat 60
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cctcctcttc atcatcgtcg tcgtcgctct cctcctcctc tggctccagt tctagtact 180
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ccccagcccc aaaggaggct gttcgagagg gacgtcctcc ggagccaacc ccagccaaac 300
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cctcgtcgtc ttcctccctt tcccctgcta agcctggccc tcaggcttgc ccaaactgc 480
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cccaactttt catgtttctt aaaggcattt tggtttttta aaatctgtac agcaagagca 1260
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aaaaaaaaaa aaaaaa 1335
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<210> 313

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 313

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```

ctgagggagg cgcgagggcg cggagttcca ggtcgagcag ttaggccgcg agcgactgcg 120
gcgccgagcc gatgagtaac ccgaagcccc tagaggagtg gtcacctgcc tgagggcact 180
tctgtcccac cagcatcaga ccaggccgca ccgagtcgcc ggcaccatgt ttgggaagag 240
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cgaccagcac gagcagaagt tcacggggct gcccgcagcag tggcagagcc tgatcgasga 360
gtcggctcgc cgcccacaag ccctcgtcga ccccgctcgc atcacctcca tccagcccgg 420
ggcccccaag accatcgtgc ggggcagcaa argtgccaaa gatggggccc tcacgctgct 480
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<210> 314

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1766)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1792)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1827)

<223> n equals a,t,g, or c

<400> 314

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agcgcgcgca gctccaggaa atgctagtga gtcggaggaa gaccgcagcg ccggcagtggt 180
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ttcaaagata atcatcatca agaaagggca tgctaaagac agccagcgct acaaagttga 300
ctacgagtct cagagcacag ataccagaa cttctcctcc gagtccaagc gggagacaga 360

```

```

atatggtccc tgccgtagag aaatggaaga cactgaat cacctgaagt tcctcaatgt 420
gctgagtcctc aggggtgtac acattcccaa ctgtgacaag aagggatattt ataagaaaaa 480
gcagtgtcgc ccttccaaag gcaggaagcg gggcttctgc tgggtgtgtgg ataagtatgg 540
gcagcctctc ccaggctaca ccaccaaggg gaaggaggac gtgactgct acagcatgca 600
gagcaagtag acgcctgccg caagnttaat gtggagctca aatatgcctt attttgaca 660
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ggtgcntttt tggataccac tttgggncct gga 1833

```

&lt;210&gt; 315

&lt;211&gt; 1354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 315

```

ggtgagagcg cgcgcttgcg gacgcgsgg cattaaacgg ttgcaggcgt agcagagtgg 60
tcgttgtctt tctaggtctc agccggtcgt cgcgacgttc gcccgctcgc tctgaggctc 120
ctgaagccga aaccagctag actttcctcc tccccctg cctgtagcgg cgttggtgcc 180
actccgcac catgttcgag gcgcgcctg tccagggtc catcctcaag aagggtgttg 240
aggcactcaa ggacctcatc aacgaggcct gctgggatat tagctccagc ggtgtaaac 300
tgacagcat ggactcgtcc cacgtctctt tgggtcagct caccctcgg tctgagggtc 360
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ctgcttctaa gatgccagca tatactgaag tcttttctgt caccaaattt gtacctctaa 1080
gtacatatgt agatattgtt ttctgtaaat aacctattt tttctctatt ctctgcaatt 1140

```

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tggttaaaga ataaagtcca aagtcagatc tggcttagtt aacctagaag tatttttgtc 1200
tcttagaaat acttgtgatt ttataatac aaaaggggtc tgactctaaa tgcagtttta 1260
agaattgttt ttgaatttaa ataaagttac ttgaatttca aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1354

```

&lt;210&gt; 316

&lt;211&gt; 2421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 316

```

ggcacgagct cttctgggcg tgggagaagg ttctgtctat cagtgtctgc agaaaggaaa 60
gaaacaagtt tgctctcagc ggatctttaa atggatgaga tggctaccac tcagatttcc 120
aaagatgagc ttgatgaact caaagaggcc ttgcaaaaag ttgatctcaa cagcaacgga 180
ttcatttgtg actatgaact tcatgagctc ttcaagggaag ctaatatgcc attaccagga 240
tataaagtga gagaaattat tcagaaactc atgctggatg gtgacaggaa taaagatggg 300
aaaataagtt ttgacgaatt tgtttatatt ttccaaggag taaaaagtag tgatattgcc 360
aagaccttcc gcaaagcaat caacaggaaa gaaggatatt gtgctctggg tggaacttca 420
gagttgtcca gcgaaggaa acagcattct tactcagagg aagaaaaata tgctkttgtt 480
aactggataa acaaagcttt ggaaaatgat cctgattgta gacatgttat accaatgrac 540
cctaaccacc atgacctgtt caaagctgtt ggtgatggaa ttgtgctttg taaaatgatt 600
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gttgtgaaca ttggtgcaga agatttgagg gctgggaaac ctcatctggt tttgggactg 780
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ccttgacatt tcccattgct gtatgttatt tcttgctctg ktawcyttg ccctcttaga 2340
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tgctttccat ccagtatgct a

2421

<210> 317

<211> 1092

<212> DNA

<213> Homo sapiens

<400> 317

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ttttggagaa caaagtgaat ttacttcgac ttcttaaatt tttgtaaaag actataagtt 180
tagacatctt tctcattcaa atttaaagat atctttctcc tcttgatcaa tctatcaata 240
ttgatagaag tcacactagt atataaccatt taatacattt acactttctt atttaagaag 300
atattgaatg caaaataatt gacatataga actttacaaa catatgtcca aggactctaa 360
attgagactc ttccacatgt acaatctcat catcctgaag cctataatga agaaaaagat 420
ctagaaactg agttgtggag ctgactctaa tcaaatgtga tgattggaat tagaccattt 480
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cttctgttat tattccaaga ctggagatag gcagggctaa aaaggatta ttatttttcc 660
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agacaagcca tgcatacaac tttggtcatg tatctctgca aagcatcaaa ttaaatgcac 1020
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aaaaaaaaaa ac

```

1092

<210> 318

<211> 1380

<212> DNA

<213> Homo sapiens

<400> 318

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gaagtatatg gtggcagtct tgataaggaa tttgatgaat cttcacccaa acaacctaca 60
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tataagtttc cagttgtcat cacaagaagc agtaatgttt atggaccaca tcaatatcca 180
gaaaaggtta ttccaaaatt tatacttttg ctacagcaca acaggaaatg ttgcattcat 240
gggtcagggc ttcaacaag aaacttcctt tatgctactg atgttgtaga agcatttctc 300
actgtcctca aaaaaggga accaggtgaa atttataaca tcggaaccaa ttttgaatg 360
tcagttgtcc agcttgccaa agaactaata caactgatca aagagacca ttcagagtct 420
gaaatggaaa attgggttga ttatgttaat gatagaccca ccaatgacat gagataccca 480
atgaagtcag aaaaaatata tggcttagga tggagaccta aagtgccttg gaaagaagga 540
ataaagaaaa caattgaatg gtacagagag aattttcaca actggaagaa tgtggaagaa 600
gcattagaac cctttccggt ataatcacca tttatatagt cgagacagtt gtcaagaag 660
aaagttatcc tacctcgcca agtggatga aattaagtga ccaaatgaag tgactcttt 720
tcttttgtaa ttagattcat gactttctgt ataaaattca aatgcagaat gcctcaatct 780
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gtctctgat tcggacaacc atgaggggta gtggtgctag ggagaaggca accttcactg 960
gttttgaact cagtgcctaa gaaagtctct gaaatgttcg tttttaggca atataggatg 1020

```

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tcttaggccc taattcacca tttctttttt aagatctgat atgctatcat tgccttaata 1080
atggaacaaa atagaagcat atctaacact ttttaaattg ataattttgt aaaattgatt 1140
acgttgaatg ctttttaaga gaagtgtgta aagtttttat attttcacaa ttaacgtatg 1200
taaaaccttg tatcagaaat ttatcatgtt tactgtttta aatgattgta ttataaaaat 1260
tgtcaatatc ttaatgtatt taatgtagaa tattgctttt taaaataatg tttttatttt 1320
gctgtagaaa aataaaaaaa aatttgatta taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380

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&lt;210&gt; 319

&lt;211&gt; 2612

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 319

```

cacgcgtccg ccccatctga ggcgtttgtt gcagctacct gcacttctag attcatcttc 60
ttgtgagccc tgggcttagg agtcaccatg gcaactgaag agttcatcat ccgcatcccc 120
ccataccact atatccatgt gctggaccag aacagcaacg tgctcccggt ggaggtcggg 180
ccaaagacct acatccggca ggacaatgag aggggtactgt ttgcccccat gcgcatgggtg 240
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ctgcaggtgg ttctgcccc aactgccctc catctaaagg cgctgcttga ttttgaggat 480
aaagatggag acaaggtggt ggcaggagat gagggtctt tgcagggacc tggcacgtac 540
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tatgccggg cccagctgga gctggagggtg agcaaggctc agcagctggc tgagggtggag 2460
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<210> 320

<211> 943

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 320

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<210> 321

<211> 2959

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2948)

<223> n equals a,t,g, or c

<220>



&lt;221&gt; misc feature

&lt;222&gt; (2956)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 321

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gaggaaanaa aaaaaanaa 2959
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<210> 322

<211> 802

<212> DNA

<213> Homo sapiens

<400> 322

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cacaccctcg cwgcyggggg sgcaaccacc ccttccttag gttgatgtgc ttgggaaagc 720
tccttcccc tccttcccc aagagagaaa taaaagccmc cttcgcccta gggccaaraa 780
aaaaaaaaa aaaaaaaaaa aa 802
```

<210> 323

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1701)

<223> n equals a,t,g, or c

<400> 323

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```

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aatTTTgcaa acacgaggct gcagtcagtt cgggaaggct gtaggacccg cagccagtgc 300
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gattcagaag atgaaagtgg aatgaatttt ttggagaaaa gggctTTaaa tataaagcaa 480
aacaaagcaa tgcttgcaaa actcatgtct gaattagaaa gcttccctgg ctcgttccgt 540
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gaatttcaga gaagagccta aatagcaaan ttacacaaa aacgagtatg atttagcact 1680
catactagtt gagggtttgg ngccgatagc gactgctaata gaac 1724
```

<210> 324

<211> 2261

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<400> 324

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gaatgcgttg aggaagcata aagacttggt gggtaaaaga tacattgaac tcttcaggag 120
cacagcagct gaagttcagc aggtgctgaa tcgattctcc tcggcccctc tcattccact 180
tccaaccctt cccattattc cagtactacc tcagcaattt gtgccccta caaatgttag 240
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gggccgcca tcaggagatg cctttatcca gatgaagtct gcggacagag catttatggc 420
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tttccattat tgatggtttg gactttaata agagaaattc catagttttt aatatcccag 1560
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ttaactgcaa taggaagaaa aaaaaaagg tttgtgtgaa aattgggtgat aactggcact 2100
taagatcgaa aagaaatttc tgtatacttg atgccttaag atgcccagg ctgcccagg 2160
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<210> 325

<211> 1213

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<400> 325

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actccttggc gcctgcctga tcttccaaat caccacagga ctattcctag ccatgcaacta 180
ctcaccagac gcctcaaccg ctttttcac aatcgccac atcactcgag acgtaaaatta 240
tggttgaatc atccgtacc ttcacgcca tggegcctca atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcatttctc tactcagaaa cctgaaacat 360
cggcattatc ctctgcttg caactatagc aacagccttc ataggctatg tcttcccggtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg ccatcccata 480
cattgggaca gacctagttc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttaccttc acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacag aaacgggac aaacaacccc ctaggaatca cctcccatc 660
cgataaaatc acctccacc cttactacac aatcaaagac gccctcggt tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctcaccagac ctctaggcg acccagacaa 780
ttatacccta gccaacccct taaacacccc tcccacatc aagccgaat gatatttctt 840
attcgctac acaattctcc gatccgtccc taacaaacta ggaggcgtcc ttgccctatt 900

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actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttcgc ccactaagcc aatcacttta ttgactccta gccgcagacc tcctcattct 1020
aacctgaatc ggaggacaac cagtaagcta cccttttacc atcattggac aagtagcatc 1080
cgtactatac ttcacaacaa tcctaatacct aataccaact atctccctaa tkgaaaacaa 1140
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ttcccccccta ggn 1213
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<210> 326

<211> 2764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2128)

<223> n equals a,t,g, or c

<400> 326

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tggaacagtc ggctgggcag atccgggctc aggccgkca rgartcagaa cgcttgcccc 120
gggacaagaa tgcctcctta cagctgctgc aaaaggagaa ggagaagctg actgtgctgg 180
aaaggagata cactcactc acagggggca ggcctttccc gaagaccaca tcgaccctca 240
aagaggttta ccgctccaag atggatggcg aggccaccag ccccttccc cggaccgcga 300
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ttctgtaagg agcttggtcc tgtgagtttc tgggctctgg cctcctgaag aaccagccag 1620
aagaagaaaa gttagaggtg ctttgcctgc tcctgggagc ccagaacttg cagtaaccct 1680
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```

ttaggtcctg cccagggccc agccagggct gaggagctgt cacagagagg gcctcagctc 1740
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ccaggctggg ggttttcagt atttgtaagc atttcagcag aacaataaag cctttggact 2700
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gggc

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<210> 327

<211> 1764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1762)

<223> n equals a,t,g, or c

<400> 327

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acgaccccaa cgccctgtat tgcatttgcc gccagcctca caacaacagg tttatgattt 120
gtgtgaccg ctgtgaagaa tggtttcatt gcgattgtgt gggcatttct gaggctcgag 180
ggaggctttt ggaaaggaat ggggaagact atatctgcc aaactgcacc attctgcaag 240
tgaggatga gactcattca gaaacggcag atcagcagga agctaaatgg agacctggag 300

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```

atgctgatgg caccgattgt acaagtatag gaacaataga gcagaagtct agcgaagacc 360
aagggataaa gggtagaatt gagaaagctg caaatccaag tggcaagaag aaactcaaga 420
tcttccagcc tgtgatagag ggcctggtg cctcaaaatg tattggcccc ggggtgctgtc 480
acgtggcgca cccgactcgg tgtactgcag taatgactgt atcctcaaac acgccgcagc 540
gacaatgaag tttctaagct caggtaaaga acagaagcca aagcctaaag aaaagatgaa 600
gatgaagcca gagaagccca gtcttccgaa atgcggtgct caggcaggta ttaaaatctc 660
ttctgtgcac aagagaccag ctccagaaaa aaaagagacc acagtgaaga aggcagtggg 720
ggccctgcg cggagtgaag cactcgggaa ggaagcagct tgtgagagca gcacgccgtc 780
gtgggcgagc gatcacaatt acaatgcagt aaagccagaa aagactgctg ctccctcgcc 840
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tgcaatttta atgttttctt gtttctcagt tttctgctat aaaactattt tcaattcagt 1740
ctttaaaaaa aaaaaaannt cnaa 1764

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&lt;210&gt; 328

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (535)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 328

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ggccgcatca aggtggtctt tactccgagc atctgtaaag tgacctgcac caagggcagc 180
tgtcagaaca gctgtgagaa ggggaacacc accactctca ttagtgagaa tggatcatgt 240
gccgacaccc tgacggccac gaacttccga gtggtaatth gccatcttcc atgtatgaat 300
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tgtcagatcc cagttccatgg tgccagcgtg cstaaacttt atcagcattc ccagcagcca 420
ggcaaggcat tggggacgca tgcatccat tcaacacata ccttgccctt gaccgtgact 480
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cctcctgaag cttccgtcca gatacatcag g

571

<210> 329

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<400> 329

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agttccagac cacattattg ataagatgtg ttaaaataaa taagatcttt ctgtgaactt 120  
ttgggaacca aatgggtttg ggcatgattt cccagctcat tatatattga cacagaattt 180  
tttcagaatg gcattttacta gtaccccaaga aatttagcaa agtatagtta ggtacttatt 240  
gtaaaatata ttgcatattt gatttaaggt ttgttatgaa cacactaatc tgatatttta 300  
tatttaaacc attttcaatk ctgtaagact cagtaagagc tatttaatta tactgwaaca 360  
aagaaaatct ataaataaat agcacaaata ggcacatgcg ggtgtataat actgaagtgg 420  
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<210> 330

<211> 1335

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1004)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c



<220>  
 <221> misc feature  
 <222> (1301)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1328)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1333)  
 <223> n equals a,t,g, or c

<400> 330  
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 aggatgagca agctgcccag ggagctgacc cgagacttgg agcgcagctg cctgccgtgg 180  
 cctccctggg ctccctactg tcccacagcc agagcctctc ctgcacctc cttccgccgc 240  
 ctgagaagcg aagggccatc tctgatgtcc gccgcacctt ctgtctcttc gtcaccttcg 300  
 acctgctctt catctccctg ctctggatca tcgaactgaa taccaacaca ggcattccgta 360  
 agaacttggg gcaggagatc atccagtaca actttaaaac ttccctcttc gacatctttg 420  
 tcctggcctt cttccgcttc tctggactgc tcctaggcta tgcgtgctgc rgctccggca 480  
 ctggtgggtg attgcggtca cgacgctggt gtccagtga ttcctcattg tcaaggatcat 540  
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 cctcgccttg ttggagacct ggttccttga cttcaaagtc ctacccacag aagctgaaga 660  
 ggagcgatgg tatcttgccg cccaggttgc tgttgcccgt ggacccctgc tgttctccgg 720  
 tgstctgtcc gagggacatt ctattcacc cagaatcct ttgcagggtc tgacaatgaa 780  
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 tttgagaaga ataataaata tggggacacc gtgtacacca ttgaagttcc ctttcacggc 960  
 aagacgttta tcctgaagac cttcctgccc tgtcctgcgg astncgtgta ccaggagggtg 1020  
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<210> 331  
 <211> 1046  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (982)  
 <223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (997)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 331

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ggtaaaacag agagcaacat gccccagtc ctctctcttg ccagttcttg tggcagcccc 60
attggccttg agacatggtt ttttgtggtt gcagctgcag ctgtccccc gtcttttaac 120
tcgacatcaa aagcctctct cctgccagtg ccatagggtt gttagagcta ctgttttgta 180
acagctgctc aggtgtcccc aaactcctgg agttttccac cctgagctgt taaaaacctg 240
ccctgcctgt caccatttc tgtgccacca gcccaccccc tgcctccact ctcctccctg 300
ccaccttctg tccctgccat aggaatatgg ggacaccgtg tacaccattg aagttccctt 360
tcacggcaag acgtttatcc tgaagacctt cctgccctgt cctgcgaggc tcgtgtacca 420
ggaggtgatc ctgcagcccc agaggatggt gctgtggaac aagacagtga ctgcctgcca 480
gatcctgcag cgagtggaa acaacaccct catctctat gacgtgtctg caggggctgc 540
ggcgcgctg gtctcccaa gggacttcgt gaatgtccgg cgcattgagc ggcgcaggga 600
ccgatacttg tcatcaggga tcgccacctc acacagtgcc aagccccga cgcacaaata 660
tgtccgggga gagaatggcc ctgggggctt catcgtgctc aagtcggcca gtaacccccg 720
tgtttgcacc tttgtctgga ttcttaatac agatctcaag ggccgcctgc cccggtacct 780
catccaccag agcctcgcgg ccaccatgtt tgaatttgcc ttccacctgc gacascgcat 840
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tcgccaccac ttccagagcc agaaagggtg ccagttgggc tcgcaactgc cacatgggac 960
ctggccccag gcwgtmamcc tncamcgagc cacgcantcc tgggagttga tgaagtgaaca 1020
gstttgggtg gacattggat tcgggg 1046
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&lt;210&gt; 332

&lt;211&gt; 1311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1280)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 332

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gcacgaatcg ccgcagcccc cagccttgcg cgtcgtcgt acctcctcgg acaggtgaga 120
agcagcccag aaattttatg aataagcatc agaagccagt gctaacaggc cagcggttca 180
aaactcggaa aagggatgaa aaagagaaat tcgaacccac agtcttcagg gatacacttg 240
tccaggggct taatgaggct ggtgatgacc ttgaagctgt agccaaattt ctggactcta 300
caggctcaag attagattat cgtcgtatg cagacacact ctccgatatc ctgggtggctg 360
gcagtatgct tgcctctgga ggaacgcgca tagatgatgg tgacaagacc aagatgacca 420
accactgtgt gttttcagca aatgaagatc atgaaacat ccgaaactat gtcagggtct 480
tcaataaact catcaggaga tataagtatt tggagaaggc atttgaagat gaaatgaaa 540
agcttctcct cttccttaaa gccttttccg aaacagagca gacaaagttg gcgatgctgt 600
cggggattct gctgggcaat ggcacctgc ccgccaccat cctcaccagt ctcttcaccg 660
acagcttagt caaagaaggc attgcggcct catttgctgt caagcttttc aaagcatgga 720
tggcagaaaa agatgccaac tctgttacct cgtctttgag aaaagccaac ttagacaaga 780
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gtcttctgtg gacatgtata atgaacgctg ttgagtggaa caagaaggaa gaacttgttg 1080
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<210> 333

<211> 1444

<212> DNA

<213> Homo sapiens

<400> 333

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ccacaggccc cttccccagc ctccagttcac agctgccctg ttgcaggag gcggtggccc 180
ttctgttgct agaccgagcc tgtgggatat accaaggcag aggagcccat agccatgagg 240
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ccaacgccgc ccgacaacat ccaagtgcag gaaaacttca atatctctcg gatctatggg 360
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atgacagtga gcacgtggt gctgggagag ggcgtacag aggcggagat cagcatgacc 480
agcactcgtt ggcggaagg tgtctgtgag gagacgtctg gagcttatga gaaaacagat 540
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gtccacacca actatgatga gtatgccatt ttctgacca agaaattcag ccgccatcat 660
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gctgaccgag gtgaatgtgt ccctggggag caggaaccag agcccatctt aatcccagag 840
gtccggaggg ctgtgctacc ccaagaagag gaaggatcag ggggtgggca actggttaact 900
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aaaactaaat tgtaaaactc tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aagg 1444
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<210> 334

<211> 1030

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (989)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1006)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1023)  
<223> n equals a,t,g, or c

<400> 334  
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gctgtcctga ccacaccac tccttgctgc agccrtgkag tcttccactt tcgccttggg 180  
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tcctgttgcc atcagtgcc agcacctgtg ctacagccat gtcactcctg gcgaccctgg 300  
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tcccccaacc tcccccaacc ccacctgacc tggaagctat ggcctccctc ctcaagaagg 600  
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cgccactacc accaccacca ctaccaccag cccctccct cccctgtcc ctccctcct 720  
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acgaggccgg gcaggaggaa gtggggatgc cgctctgccc cccgccacag cagccccctc 840  
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ggnaagggaa 1030

<210> 335  
<211> 2127  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2098)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

&lt;222&gt; (2114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2117)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 335

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cacagcctgt ggccattttc ctgggaatcc cttttgcaa gccgcctctt ggacccctga 360
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ctcgcaatgg aaaccccaat ggggaagggc tgcccactg gccagagtac aaccagaagg 1740
aagggtatct gcagattggg gccaacaccc aggcggccca gaagctgaag gacaaagaag 1800
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ctttgggaat aaaggatctt ttgaaggcca aaaaaaaaaa aaaagggcgc ctttttangg 2100
gttcccaatt tacnaanggg tgcttgg 2127

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&lt;210&gt; 336

&lt;211&gt; 847

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
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<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (829)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (847)  
<223> n equals a,t,g, or c

<400> 336  
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tccccactcc ttctctcagc ccaagctctg actttccgtg ctccacgac ccgcggctcc 180  
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gaccgcggcc cgtatcggga tccctgcccc gcgaacactg cgcgtttcgg ntctcgcgcg 300  
ctcgggtccc gtccccagag gtagcccgcc cggntccaac ttcggggcaa attttcatgt 360  
ccccctgcgg accgcgtgaa cgtgacggtg cggccggggc tggccatggc gctgagcggg 420  
tccaccgagc cctgcgcgca gctgtccatc tcctccatcg gcgtagtggg caccgccgag 480  
gacaaccgca gccacagcgc ccactttctt gagttttctc ccaaggagct agccctgggc 540  
caggaccgga tacttatccg ctttttcccc ttggagtcct ggcagattgg caagataggg 600  
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cttcttccag agagatctct tggcagagtg agggcctgga gataaccagc tttggattat 720  
cccgcagtga acattcctgt gatcacataa tcctcttctt catctcata tgaaataaat 780  
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<210> 337  
<211> 702  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (669)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (679)  
<223> n equals a,t,g, or c

<400> 337  
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aaccgcgaaa gagtaagacg gcagcggcac cctctgaaaa gaatcggggc ccaagaaaag 180  
gcggtcgtgt tatcgctccc argaaggcgc gcgtcgtgca gcagcaaaag ctcaagaaga 240  
acctagaagt cgggaatccgg aagaagatcg aacatgacgt ggtgatgaaa gccagcagca 300  
gcctgcccga gaagctggca ctgctgaagg cccagccaa gaagaaagg gcagctgccg 360  
ccacctctc caagacacct tcctgaggac gctggcccca gtgcaggcca acatcccacc 420  
ccctacctcc atatgggacc ttgcaagtca tcccacaggc tgcactgtca ggaagaggac 480  
cctgtccccc agcactgggc ttcacctaga acttcagtgg gggccaagg tgctgagaac 540  
ccagcaatga ccaggaagat acagtcacta acttcatctg tccccgtgcc ctttcccagg 600  
tcctgcctcc acaggtttaa cccagaacaa taaacctggc tttgtcaama aaaaaaaaaa 660  
agggccggnc gtttttagang atccagctta cgtaccgtgc tt 702

<210> 338  
<211> 875  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (791)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (813)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (830)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (861)  
<223> n equals a,t,g, or c

<400> 338

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cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaagtgtc gcactctaca taaaggaggc aggagttcct 240
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tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540
tatatTTTTA ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600
taccttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660
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ccttcaaagc tcagaggact gggtttkgaa tgggtttaat ttttgcaagg gatccatgtc 780
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catttggtt acatccgggc nggggagggc caggg 875

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<210> 339

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1440)

<223> n equals a,t,g, or c

<400> 339

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ccaagtcccg gccagttcga cctcgaggat ccagaggtgg agacggtact acctcccagc 120
tctgttttcc atccccttca ggtccttcct cgggagggcg cgaaggcggg ccaccctgcg 180
cgtgatcctt yatgcccggc ccctgcccct cctccgggt ggaacttccc cctcaccgcc 240
agacttaagc tgaggatcgt tggatctctg gcggggtgca gaactgagcc caggccacag 300
taccctattc acgctctgtg cttgtgccaa gggggcaatg gcggcttcct gtgttctact 360
gcacactggg cagaagatgc ctctgattgg tctgggtacc tggaagagtg agcctgggtca 420
ggtaaaaagca gctgttaagt atgcccttag cgtaggctac cgccacattg attgtgctgc 480
tatctacggc aatgagcctg agattgggga ggccctgaag gaggacgtgg gaccaggcaa 540
ggcgggtgct cgggaggagc tgtttgtgac atccaagctg tggaacacca agcaccaccc 600
cgaggatgtg gagcctgccc tccggaagac tctggctgac ctccagctgg agtatctgga 660
cctgtacctg atgactggc cttatgcctt tgagcgggga gacaaccct tcccaagaa 720
tgctgatggg actatatgct acgactccac ccactacaag gagacttgga aggtctctgga 780
ggcactgggt gctaaggggc tgggtgcaggc gctgggcctg tccaacttca acagtcggca 840

```



```

gattgatgac atactcagtg tggcctccgt gcgtccagct gtcttgagg tggaatgcc 900
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tgcttatagc cctttgggct cctctgatcg tgcattggcg gatcctgatg agcctgtcct 1020
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gctaaatgcc ctgaacaaaa attggagata tattgtgcct atgcttacgg tggatgggaa 1260
gagagtccca agggatgcag ggcacccctc gtaccccttt aatgaccctg actgagacca 1320
cagcttcttg gcctcccttc cagctctgca gctaattgagg tcctgccaca acggaaagag 1380
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caagggaa 1448

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<210> 340

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (838)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<400> 340

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gctgatctcc tgctgatgt ttctgtctca gagccaaggc caagaggccc agacagagtt 180
gccccaggcc cggatcagct gcccagaagg caccaatgcc tatcgctcct actgctacta 240
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gggcaacctg gtgtctgtgc tcaccaggc cgagggtgcc tttgtggcct cactgattaa 360
ggagagtggc actgatgact tcaatgtctg gattggcctc catgaccca aaaagaaccg 420
ccgctggcac tggagcagtg ggtccctggg ctcctacaag tcctggggca ttggagcccc 480

```

```

aagcagtgtt aatcctggct actgtgtgag cctgacctca agcacaggat tccagaaatg 540
gaaggatgtg ccttgtgaag acaagttctc ctttgtctgc aagttcaaaa actagaggca 600
gctggaaaat acatgtctag aactgatcca gcaattacaa cggagtcaaa aattaaaccg 660
gaccatctct ccaactcaac tcaacctgga cactctcttc tctgctgagt ttgccttggt 720
aatcttcaat agttttacct accccagtct ttggaaccyt aaataataaa aataaacatg 780
tttcactaa aaaaaaaaaa aaaaaaaamt cncagggggg gnccggtanc caattcgncc 840
naa 843

```

<210> 341

<211> 1293

<212> DNA

<213> Homo sapiens

<400> 341

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acggatatcc tctgttgggg gagaagcaac attttgtgat tttccaaaaa taaaccatgg 180
aattctatat gatgaagaaa aatataagcc attttcccag gttcctacag gggaagtgtt 240
ctattactcc tgtgaatata attttgtgtc tccttcaaaa tcatttttga ctgcgataac 300
atgcacagaa gaaggatggt caccaacacc aaagtgtctc agactgtgtt tctttccttt 360
tgtggaaaat ggtcattctg aatcttcagg acaaacacat ctggaagggtg atactgtgca 420
aattatttgc aacacaggat acagacttca aaacaatgag aacaacattt catgtgtaga 480
acggggctgg tccaccctc ccaaatgcag gtccactgac acttcctgtg tgaatccgcc 540
cacagtacaa aatgctyata tastgtcgag acagatgagt aaatatccat ctggtgagag 600
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tccacctatt gacaatggg acattacttc attcccgttg tcagtatatg ctccagcttc 780
atcagttgag taccaatgcc agaacttgta tcaacttgag ggtaacaagc gaataacatg 840
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aattatggaa aattataaca tagcattaag gtggacagcc aaacagaagc tttattygag 960
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cacattgcga acaacatgtt gggatgggaa actggagtat ccaacttgtg caaaaagata 1080
gaatcaatca taaartgcac acctttatc agaactttag tattaatca gttctyaatt 1140
tcatttttwa tgtattgttt tactcctttt tattcatagc taaaattttg gattaatttg 1200
tgaaaatgta attataagct gagaccgtg gctctcttct taaaagcacc atattaaatc 1260
ctggaaaact aaaaaaaaaa aaaaaaaact cgc 1293

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<210> 342

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1262)  
<223> n equals a,t,g, or c

<400> 342  
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cgacgcgcag ctgcaggctg agaagcagaa ggccaggga gaagaggagc aaaaagaagg 180  
tggagatggg gctgcagggtg accccaaaaa ggagaagaaa tctctagact cagatgagag 240  
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cgagaacccc aaccgggtgg cacagacaac caaaaaggtc acacaactgg atctggacgg 360  
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ccaggcaaaa catgtccac aaattcaact tgtatatattg gcagattaaa cttgacatta 1200  
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gnggtttaaa tta 1273

<210> 343  
<211> 1793  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1267)  
<223> n equals a,t,g, or c

<400> 343

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gactacagcg atgatgggtg ggtgaatttg aaccggcaag gcttcagcta ccagtgtccc 180
caggggcagg tgatagtggc cgtgaggagc atcttcagca agaaggaagg ttctgacaga 240
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ctgcagagat ggcgctatct ttctctctcc tgtgatgtcc tgctcccaac catttgtact 1680
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1793

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<210> 344

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1667)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

&lt;400&gt; 344

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aagtctaagc gccggaagtg gtgggcattc tgggtaacga gctattttact tcctgcgggt 180
gcacaggctg tggctcgtcta tctccctggt gttcttccca tcggcgaaga tggccctgga 240
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tatagaccag tttgaatatg atggttgtga caattgtgat gcatacttac aaatgaaggg 360
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tgctgtttta cctcaggatt gttgtgattg tagaaacgaa gctatgtgaa aattatataa 1620
gtattataaa ggtgaaatac tttgtctctc aaaaaaaaaa aaaaaanntt aa 1672

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&lt;210&gt; 345

&lt;211&gt; 2109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 345

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caagacaccc cagaggatct tcagcagtc tacttcccat tctctataga gctttgaagc 180
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attcattctt aagctttaac ttgaagggtat cgtaattgcc ggcatthgat gtttagcaat 2040
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agtcctctct 2109

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<210> 346

<211> 1714

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<400> 346

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<210> 347

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1667)

<223> n equals a,t,g, or c

<400> 347

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<210> 348  
 <211> 1483  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (19)  
 <223> n equals a,t,g, or c

<400> 348  
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 ttccctagaa cccagccag gtccgtggtg gccctgaaga ccccatcaa ggtggagctg 180  
 gtggcagggg aaacctacag gtggtgtgtg tgtggccgca gcaagaagca gcccttctgt 240  
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 tgctgtccag ccacaggtgg ccttggtctc aggcctctga caggcaccct cttctgtggg 480  
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<210> 349  
 <211> 1842  
 <212> DNA  
 <213> Homo sapiens

<400> 349  
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 tattcttttag tggaggctgg atgtgcatta gcctggatcc tcagttctca aatgtgtgtg 180  
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<210> 350

<211> 3008

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1307)

<223> n equals a,t,g, or c

<400> 350

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gaaaagtcca acttgagaga caaaatgcag tggacctccc tcctgctgct ggcagggtctc 180
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<210> 351  
<211> 2756  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1597)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2540)  
<223> n equals a,t,g, or c

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<210> 352

<211> 1645

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

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<222> (1574)

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<220>

<221> misc feature

<222> (1596)

<223> n equals a,t,g, or c

<400> 352

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gatacagtta caatttatct gacaagggtt taattctaga atatgcttaa taaaatgaaa 480  
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agtaaagtac tgtatttggt catgaagatg actgagatgg taacacttcg ttagacttaa 600  
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gttaaaaggac tctgtgccat cttacaacct tggatgaatt atcctgccaa cgtgaaaacc 780  
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gtttttctta cactcatttg aatgctttca agcatttgta aacttaaaaa atgtataaag 900  
ggcaaaaagt ctgaaccctt gttttctgaa atctaatacag ttatgtatgg tttctgaagg 960  
gtaattttat tttggaatag gtaaaggaaa cctgttttgt ttgtttttcc tgagggctag 1020

```

atgcattttt tttctcacac tcttaatgac ttttaacatt tatactgagc atccatagat 1080
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atgtaataata attgagatga aatgttctct ggttgaaca gatactctct ttttttctt 1200
gcaatcttta agaatacata gatctaaaat tcattagctt gacctctcaa agtaactttt 1260
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ttatatagtc acctataaaa tgttctttat atgtgttcat aagtaaattt tatattgatt 1560
aagttaaact tttngaattg gatttgagga gcagtnaaaa tgaaagctat atctattctr 1620
aaaccttrtt taagaccatt tggggg                                     1645

```

<210> 353

<211> 1637

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (738)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (771)

<223> n equals a,t,g, or c

<400> 353

```

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cgtggacaat ggctacttg agggactggt gcgcggcctg aaggccgggg tgctcagcca 180
ggccgactac ctcaacctgg tgcagtgcga gacgctagag gacttgaaac tgcacttgca 240
gagcactgat tatggtaact tcctggccaa cgaggcatca cctctgacgg tgtcagtcac 300
cgatgaccgg ctcaaggaga agatgggtgt ggagttccgc cacatgagga accatgccta 360
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cccactaggc agcttcgagc agatggaggc cgtgaacatt gctcagacac ctgctgagct 540
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gcaggacctt gacgagatga acatcgagat catccgcaac accctctaca aggcctacct 660
ggagtccttc tacaagttct gcaccctact gggcgggact acggctgatg ccatgtgcc 720
catcctggag tttcaangc agaccgtgcc aagctctttc cactctgtgg ncggctctac 780
cctgagggcc tggcgcastg gctcgggctg acgactatga acaggtcaag aacgtggccg 840
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agttccactt tgggtgtctt tatgccttcg tgaagctcaa ggagcaggag tgtcgcaaca 1020
tcgtgtggat cgctgaatgt atcgcccagc gccaccgcgc caaaatcgac aactacatcc 1080
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cctgtccggg gtgtagtacg ctgtcctagc ggctgcccag ttctcctgac cctcttagag 1260
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```

```
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agagtgtgtg tgccttggg gcctgggggg atgttgcctc tcagctccct ccctcagccc 1560
tgccctctg agacaataaa actgccctct ctaaggccaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaa                                     1637
```

<210> 354

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 354

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cggcacgagc ccgcgccccg cgaggctccg ggggtctcggg cttccgcctt cttgctgccc 60
tcgttcttgc crgggcccgc gttagtccct gctggccacc ccaactgcac catgttcgtt 120
ccctgcgggg agtcggcccc cgaccttgcc ggcttcaccc tcctaattgcc agcagtatct 180
gttggaatg ttggccagct tgcaatggat ctgattattt ctacactgaa tatgtctaag 240
attggttact tctataccga ttgtcttggt ccaatgggtg gaaacaatcc atatgcgacc 300
acagaaggaa attcaacaga acttagcata aatgctgaag tgtattcatt gccttcaaga 360
aagctgggtg ctctacagtt aagatccatt tttattaagt ataaatcaaa gccattctgt 420
gaaaaactgc tttcctgggt gaaaagcagt ggctgtgcca gagtcattgt tctttcragc 480
agtcattcat atcagcgtaa tgatctgcag ctctgtagta ctcccttccg gtacctactt 540
acaccttcca tgcaaaaaag tgttcaaaat aaaataaaga gccttaactg ggaagaaatg 600
gaaaaagcc ggtgcattcc tgaaatagat gattccgagt tttgtatccg cattccggga 660
ggaggtatca caaaaacact ctatgatgaa agctgttcta aagaaatcca aatggcagtt 720
ctgctgaaat ttgtttcaga aggggacaac atcccagatg cattaggtct tgttgagtat 780
ctaatgagt ggcttcagat actcaaacca cttagcgatg accccacagt atctgcctca 840
cggtggaata taccagttc ttggagatta ctctttggca gtggtcttcc ccctgcactt 900
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taaacattct atacaaaaaa attgtatgat ctgggtattag gaaattactt tcacagtaaa 1020
tatcaaagaa aaaagattaa rggtctcttt gccatgcttt tcatcatatg caccaaattg 1080
aaattttgta cctcggccgc gaccacgcta agccgaatt                                     1119
```

<210> 355

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (689)

<223> n equals a,t,g, or c

<400> 355

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ggcacgagg acttgctgct ggctgccgcg gccgccactg gaaagctgaa atccttcgcc 60
cggaaattca tcaatttgaa tgaattcaca acctatggca gcgargaaag caccaaaccg 120
gcctcctgcc gggccctgct gtttgamatc tccttctca tgctgtgcca tgtggcccag 180
```

```

acctatggtt caraggtgat tctgtccgag tcgcgcacag gagctgaggt gcccttcttc 240
gagacctgga tgcagacctg catgcctgag gagggcaaga tcctgaaccc tgaccacccc 300
tgcttccgcc ccgactccac caaagtggag tccctgggtg ccctgctcaa caactcctcg 360
gagatgaagc tagtgacgat gaagtggcat gaggcctgtc tcagcatctc agccgccatc 420
ttggaaatcc tcaatgcctg ggagaatggg gtcctggcct tcgagtccat ccagaaaatc 480
actgataaca tcaaagggaa ggtatgcagt ctggcgggtg gtgctgtggc ttggcttggtg 540
gcccacgtcc ggatgctggg gctggatgag cgtgagaagt cgctgcagat gatccgccag 600
ctggcagggc cactgttttag ygagaacacc ctgcagttct acaatgagag ggtngtgatc 660
atgaactcga tcctgggagc gcatgtgtnc cgacgtgctg cagcagacag ccacgcagga 720
ttcaagtttc cctccaac 738

```

<210> 356

<211> 1966

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1753)

<223> n equals a,t,g, or c

<400> 356

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ggacggcagt ctgcrcggc tactgcagca ctgggggtgtc agttgttggg ccgaccaga 120
acgcttcagt tctgctctgc aaggatata aataactgat tgggtgtgcc gtttaataaa 180
agaatatgga aactgaacag ccagaagaaa ccttcctaa cactgaaacc aatggtgaat 240
ttggtaaacg ccctgcagaa gatatggaag aggaacaagc atttaaaaga tctagaaaca 300
ctgatgagat ggttgaatta cgcattctgc ttcagagcaa gaatgctggg gcagtgattg 360
gaaaaggagg caagaatatt aaggctctcc gtacagacta caatgccagt gtttcagtcc 420
cagacagcag tggccccgag cgcataattga gtatcagtgc tgatattgaa acaattggag 480
aaattctgaa gaaaatcatc cctaccttgg aagagggcct gcagttgcca tcaccactg 540
caaccagcca gctcccgtc gaatctgatg ctgtggaatg cttaaattac caaactata 600
aaggaagtga ctttgactgc gagttgaggc tgttgattca tcagagtcta gcaggaggaa 660
ttattggggg caaagggtgt aaaatcaaa aacttcgaga gaacactcaa accaccatca 720
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aaggacgtgc acagccttat gatcccaatt ttacgatga aacctatgat tatggtggtt 900
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gtggttttga cagaatgcct cctggtcggg gtgggctgcc catgcctcca tctagaagag 1020
attatgatga tatgagccct cgtcgaggac cacctcccc tcctcccga cgaggcggcc 1080
ggggtggttag cagagctcgg aatcttcctc ttccctcacc accaccacct agagggggag 1140

```

```

acctcatggc ctatgacaga agaggagagac ctggagaccg ttacgacggc atggttggtt 1200
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tggcttatga accacagggt ggctccggat atgattattc ctatgcaggg ggtcgtggct 1320
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gaacacagga ccagatacag aatgcacagt atttgctgca gaacagtgtg agcagwtma 1560
gwttagcttt gtgttagctt atacatacta aaacctttaa aaagcttttc ttctcaattg 1620
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aatcttgctt ggnaggaagc cttgaaccaa gcaaacttct gcatttctct ggtgaaaact 1800
gctgccaaaa ccacttggtt aaaattgtac agagcctgta ggaaaatata gaaggttcca 1860
ttgggatgtt ggccatgttc tgtgtgggaa gacttagtgg attttgttt tttttagata 1920
actaaatcgg ccaacaaatc accgttcttg cctatgggac cgggcc 1966

```

<210> 357

<211> 1562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 357

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atggaccaat actggggaat tggcagctg gccagtggga taaatttgtt cacaaacagt 120
tttgagggcc cagttcttga tcacaggtat tatgcagggt gatgctcccc gcattacatc 180
ctgaacacga ggtttaggaa gccctacaat gtggaaagct acacgccaca gaccgaaggc 240
aaatacgaat tcatattaan anagtatgaa tcatactcag attttgaacg caatgtcaca 300
gagaaaatgg caagcaagtc tggtttcagt tttggtttta aaatacctgg aatatttgaa 360
cttggcatca gtagtcaaag tgatcgaggc aaacactata ttaggagaac caaacgattc 420
tctcatacta aaagcgtatt tctgcatgca cgctctgacc ttgaagtagc acattacaag 480
ctgaaaccca gaagcctcat gctccattac gagttccttc agagagttaa gcggctgccc 540
ctggagtaca gctacgggga atacagagat ctcttccgtg attttgggac ccactacatc 600

```



```

acagaggctg tgcttggggg catttatgaa tacaccctcg ttatgaacaa agaggccatg 660
gagagaggag attatactct taacaacgtc catgcctgtg ccaaaaatga ttttaaaatt 720
gggtggtgcc ttgaagaggt ctacgtcagt ctgggtgtgt ctgtaggcaa atgcagaggt 780
attctgaatg aaataaaaga cagaaacaag agggacacca tgggtggagga cttggtgggc 840
ctggtacgag gaggggcgaag tgagcacatc accaccctgg cataccagga gctgccgacg 900
gcggacctga tgcaggagtg gggagacgct gtgcagtaca acccagccat catcaaagtt 960
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aggcagaaca tgaagcaggc actggaggag ttccagaagg aagttagtct ctgccactgt 1080
gctccctgcc aaggaaatgg agtccctgtc ctgaaaggat cacgctgtga ctgcatctgt 1140
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gagccctcaa gaactcaygc cagctcagcc ctacaccagt ttccacctgg agttcatgca 1440
agggcaaaaag gcagtgccat gcaagctgtt taaaataaag atgttacctt gtaaaatgca 1500
agttgattta aataaatact gagttaaagg ctttaaaaaa aaaaaaaaaa aaaggggggg 1560
cg                                     1562

```

&lt;210&gt; 358

&lt;211&gt; 1931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 358

```

ctcgggagct cggactccta cgcatacccg ggaagggccg ccgccccgcc cgcggctgct 60
ggccccgggtg acacttccgc ctgctataag agcagcggcc ctcggtgcct ccttcctgac 120
ctcgcaccca gtcgagagcc cggagcgtgc ctcggcggcc tgtcggtttt caccatggag 180
cagctgagct cagcaaacac ccgcttcgcc ttggacctgt tcctggcggt gagtgagaac 240
aatccggctg gaaacatctt catctctccc ttcagcattt catctgctat ggccatgggt 300
tttctgggga ccagaggtaa cacggcagca cagctgtcca agactttcca tttcaaacg 360
gttgaagagg ttcattcaag attccagagt ctgaatgctg atatcaacaa acgtggagcg 420
tcttatattc tgaaacttgc taatagatta tatggagaga aaacttacaa tttccttcct 480
gagttcttgg tttcgactca gaaaacatat ggtgctgacc tggccagtgt ggattttcag 540
catgcctctg aagatgcaag gaagaccata aaccagtggg tcaaaggaca gacagaagga 600
aaaattccgg aactgttggc ttcgggcatg gttgataaca tgaccaaact tgtgctagta 660
aatgccatct atttcaaggg aaactggaag gataaattca tgaaagaagc cacgacgaat 720
gcaccattca gattgaataa gaaagacaga aaaactgtga aaatgatgta tcagaagaaa 780
aaatttgcat atggctacat cgaggacctt aagtgccgtg tgctggaact gccttaccaa 840
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gatctgtctg gcatgtcagg agccagagat atttttatat caaaaattgt ccacaagtca 1140
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ttctgcatgt tgatgcccga agaaaatttc actgccgacc atccattcct tttctttatt 1260
cggcataatt cctcaggtag catcctattc ttggggagat tttcttcccc ttagaagaaa 1320
gagactgtat caatacaaaa atcaagctta gtgctttatt acctgagttt ttaatagagc 1380
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ttgtaagttt ggctctgttg gctgtttaca cccatgaatt ttggcatggg tatctatttt 1500
ycttttttac attgaaaaaa atccagtggg tgcttttgaa tgcataagaa aaagaagaag 1560
aaaagaatac atccgatgag tagattcttg accatgtagt aatctataaa attgctatat 1620

```

300

```
cctcctgata gccatgggaa aacatgataa gatgggcatt tattttgcag ttagaatttt 1680
ggaagccaca aaatagacag acaccctgac tgttgaaggg aggtttaaaa acagatattc 1740
aattgaaatg taagagagca ccccaattga gagccaggt tacgaagaca agcttgccctc 1800
gcctgacttt tctgtccctt gttctgcagg attagtattc tgttacagac ctctagtttt 1860
tagactcttc aattaaaggg ccaatgggta taacctgcaa aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa a 1931
```

&lt;210&gt; 359

&lt;211&gt; 869

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (869)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 359

```
gctctggcgg gcataccagc gggccctggc cgctcacccg tggaaagtac aggtgctgac 60
agctgggccc tgtggtagga ggctggtaca aggttttggg tcggttcac cctggcacca 120
ccaaagtgga tgcaactgaag aagatgttgt tggatcaggg gggctttgcc ccgtgttttc 180
taggctgctt tctccactg gtaggggcac ttaatggact gtcagcccag gacaactggc 240
caaaactacag cgggattatc ctgatgccct tatcaccaac tactatctat ggcctgctgt 300
gcakttagcc aacttctacc tgggtccccc tcattacagg ttggccggtg tccaatgtgt 360
tgctgttatc tggaaactcct acctgtcctg gaaggcacat cggctctaag cctgcctcac 420
tccatcgttt ccaccttgca gtgatgcagc ttgacctgg aacggtcaga caacctctc 480
aaagtgggca taccagtttc cacgggggtg ggttgccggt cagagcttaa gaggactagc 540
accctgcaat gcccctcttc actctaaaat gtacactgac tgcttttagag cccttgataa 600
tagtcttatt cccaccacat actaggcact ccataaatat ctgttgaacc ttcatgacct 660
tatcaacttt acaccatata cccagcaaat gccactcatc cccactcttc atagacacat 720
ttgttactct aacctgcct aggtctcttg tagctccagc tctttagaga ctcccggaa 780
cctttatatg gtgcctcagt aaatatgtta ttaaatatgt aatccgaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaan 869
```

&lt;210&gt; 360

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 360

```
ggcacgagag actccagccg ccaggggagc gcgtgccgtt cttgcctctc tggcctgcgc 60
ctcctgagcc gagtagatat cccggagttc cgcgcggcgc cagcccttcc gccacggccg 120
tctctggaga gcagcagcca tggccctacg ctaccctatg gccgtgggcc tcaacaaggg 180
ccacaaagtg accaagaacg tgagcaagcc caggcacagc cgacgccgcg ggcgtctgac 240
caaacacacc aagttcgtgc gggacatgat tcgggaggtg tgtggctttg ccccgtagca 300
gcggcgccgc atggagttac tgaaggcttc caaggacaaa cgggccctca aatttatcaa 360
gaaaagggtg gggacgcaca tccgcgccaa gaggaagcgg gaggagctga gcaacgtact 420
ggccgccatg aggaaagctg ctgccaagaa agactgagcc cctccccctg cctctccctg 480
aaataaagaa cagcttgaca gaaaaaaaaa aaaaaaaaaa ntcgnggggg ggcccggtag 540
ccattcgcgc tawagggggn g                                     561
```

&lt;210&gt; 361

&lt;211&gt; 1680

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 361

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<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (718)

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<211> 1324

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<213> Homo sapiens

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&lt;211&gt; 2853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 364

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<211> 1837

<212> DNA

<213> Homo sapiens

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<222> (2)

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<222> (3)

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<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

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<211> 1823

<212> DNA

<213> Homo sapiens

<400> 366

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<211> 898

<212> DNA

<213> Homo sapiens

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<222> (17)

<223> n equals a,t,g, or c



<220>  
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<213> Homo sapiens

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<213> Homo sapiens

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<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 369

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<210> 370

<211> 3636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1937)

<223> n equals a,t,g, or c

<400> 370

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&lt;210&gt; 371

&lt;211&gt; 4039

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1085)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 371

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&lt;210&gt; 372

&lt;211&gt; 1599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 372

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&lt;210&gt; 373

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 373

313

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&lt;210&gt; 374

&lt;211&gt; 890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (886)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 374

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 890

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&lt;210&gt; 375

&lt;211&gt; 1874

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 375

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attacacacc tgacatgaac cgtgaggatg ttgactacgc aatccggaaa gctttccaag 480
tatggagtaa tgttaccccc ttgaaattca gcaagattaa cacaggcatg gctgacattt 540

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tggtgggtttt tgcccggtgga gctcatggag acttccatgc ttttgatggc aaaggtggaa 600
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gttgcttctt aacatccttg gactgagaaa ttatacttac ttctggcata actaaaatta 1800
agtatatata ttttggtcga aataaaattg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aagc 1874

```

<210> 376

<211> 2018

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1997)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2012)

<223> n equals a,t,g, or c

<400> 376

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gacaaaaccg gccttggtgga atttgcaaga aacctgaccg ctcttggttt gaatctggtc 180
gcttccggag ggactgcaaa agctctcagg gatgctggtc tggcagtcag agatgtctct 240
gagttgacgg gatttcctga aatgttgggg ggacgtgtga aaactttgca tcctgcagtc 300
catgctggaa tcctagctcg taatattcca gaagataatg ctgacatggc cagacttgat 360
ttcaatctta taagagttgt tgctgcaat ctctatccct ttgtaaagac agtggttctt 420
ccagggtgaa stgttgagga ggctgtggag caaattgaca ttgggtggagt aaccttactg 480
agagctgcag ccaaaaacca cgctcgagtg acagtggtgt gtgaaccaga ggactatgtg 540
gtggtgtcca cggagatgca gagctccgag agtaaggaca cctccttgga gactagacgc 600
cagttagcct tgaaggcatt cactcatagc gcacaatatg atgaagcaat ttcagattat 660

```



```

ttcaggaaac agtacagcaa aggcgtatct cagatgccct tgagatatgg aatgaaccca 720
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aaaaaaaaaa aaaaccncgg ggggggcccc gnacccca 2018

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<210> 377

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (818)

<223> n equals a,t,g, or c

<400> 377

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ctctggcgat cgaggggtcc tagtacaccg caatcatgtc tattatgtcc tataacggag 120
gggcccgtcat ggccatgaag gggaagaact gtgtggccat cgctgcagac aggcgcttcg 180
ggatccaggc ccagatggtg accacggact tccagaagat ctttcccatg ggtgaccggc 240
tgtacatcgg tctggccggg ctgcgactg acgtccagac agttgccag cgcctcaagt 300
tccggctgaa cctgtatgag ttgaaggaa gtcggcagat caaaccttat accctcatga 360
gcatggtggc caacctcttg tatgagaaac ggtttggccc ttactacact gagccagtca 420
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aagccatgct gaatgctgtg gaccgggatg cagtgtcagg catgggagtc attgtccaca 660
tcacgcagaa ggacaaaatc accaccagga cactgaaggc ccgaatggac taacctgtt 720
cccagagccc actttttttt ctttttttga aataaaatag cctgtctttc aaaaaaaaaa 780
aaaaaaaaaa accccggggg gggcccggaa ccaaattn 818

```

<210> 378

<211> 2565  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2565)  
<223> n equals a,t,g, or c

<400> 378  
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acaactgaag tctcttgaca aacacctcac cctgcctcc gggatgaaag ggggtaacct 120  
agacctgaat gggttgacc atctcacaac tgctcgcgtg acgaccgcat tcgtggcagg 180  
taagaagatt gctgtatcaa ctcaagaaag cagtaacttc actgtctttg tattttgaat 240  
tgcaacaaca actttgatata caacaatgaa gcaatgatata ctaagaacma aagartattt 300  
gccaacagtc atcataatat caagtgtattg tataagcaga aacaagctgt cacagacctg 360  
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atataaatca tttaatttat atctacatca aataaaataa aatgagtga agccccaga 480  
ttcttcgctg gaccagaaga tacagaaata aatcctggaa attatcgaca tttctttcac 540  
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agggtgacaaa agcagaaaaa aatgaagagg ctgaagtatg aactaccctt ggagcccata 2100  
tacatgatata aggcaatttc ttttgtatgt taattcrgtc aaaaatacta cccacttgat 2160

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taatatattatt gttagctgta agtttttggg aaatactgaa caaattagtc cacaatcaaag 2340
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aacaccacaa tctgcagatg ttcaagtccc ttacataaaaa tggcatagta tttatatgta 2460
acctatgcat attctcctgt atatttttaaa tcatctctac attaaaaatac ctgataaaat 2520
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<210> 379

<211> 1680

<212> DNA

<213> Homo sapiens

<400> 379

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aatagttaca cacaagaggg aaactggaag ccaaactctg tacagtattg tgtagaaagt 180
cacctcccta ctctctttat tttacatgag tgctgatgtg ttttggcaga tgagctttca 240
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tcttagttct tgaattgtg gaatgcatga ttgacaatat atttttaatt tttatttttt 360
caagtaatac cagtactgtt taactatagc cagaactggc taaaattttt atattttcag 420
agttgaagtt ggtagagaca ttcattgatt aaacaccaga tcctgaaagg ggttaaatct 480
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cagataaata gaagtacagt gaggtctata gccattttat taaaatagct taaaagtttg 660
taaaaaaatg aatctttgta attacttaat atgttagtta agaaccctgc aagcttata 720
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gttttttaaa tgtatttttg ccctgaatta agtggttaatt tgatggaaac tctgctttta 1620
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<210> 380

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<400> 380

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gtcaagattt tacttggcat tgagtagttt ttttcaatag taggtaattc cttagagata 360
cagtatacct ggcaattcac aaatagccat tgaacaaatg tgtgggtttt taaaaattat 420
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ataacatga atacacttac agttaggatt tgtggttaagg tacctctcaa cattaccaa 600
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gcactgatta aaataggatt attttaarta caaaaggcat tttatatgaa ttataaactg 720
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atgatgcagt ttcaagtacc aaaacgttga attgatgatg cagttttcat atatcgagat 900
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anaaatt 1267
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<210> 381

<211> 1031

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1015)

<223> n equals a,t,g, or c

<400> 381

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caaaaaatgtt tcaacttccta acagttttcc tttttccact gtgtgactga aagctcctat 180
atcattttat atttctgaat ctataaaaca aaacaaacaa gcctgamagt gtctggarga 240
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tacgtacctt aaggcaccca gtctactagt ctgtggggtc ctggagcctg tctcttcttt 360
ctggaggttc aaactgaata gcaataatta cgttacccaa agcatgtgga ggaaaagtga 420
aaccagccac ggagacgctg gccacgggc tcggcctgcg gtgtggcctg ctttgctcac 480
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gggtgggggt tgaaagttgt tatctttaa tacatgtaca aatcgttgtc aaaagtaacg 960
ttattaaaat agatttatta tccctgaaaa aaaaaaaaa aaaaaaaaa aaaancccg 1020
gggggggccc c 1031
```

<210> 382

<211> 1597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1597)

<223> n equals a,t,g, or c

<400> 382

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agcggctgtc caatcgagtc gtgcgtgtgt tgggctgtaa cccgggtccc atgaccctcc 180
aaggcaccaa cacctaccta gtggggaccg gccccaggag aatcctcatt gacactggag 240
aaccagcaat tccagaatac atcagctgtt taaagcaggc tctaactgaa tttaacacag 300
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caatccagga aattgtagtg actcactggc accgagatca ttctggaggc ataggagata 360
tttgtaaaag catcaataat gacactacct attgcattaa aaaactccca cggaatcctc 420
agagagaaga aattatagga aatggagagc aacaatatgt ttatctgaaa gatggagatg 480
tgattaagac tgagggagcc actctaagag ttctatatac ccctggccac actgatgac 540
acatggctct actcttagaa gaggaaaatg ctatcttttc tggagattgc atcctagggg 600
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<210> 383

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<400> 383

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<210> 384

<211> 2171

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 384

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<211> 2364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

&lt;400&gt; 385

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&lt;210&gt; 386

&lt;211&gt; 2864

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 386

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&lt;210&gt; 387

&lt;211&gt; 2683

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2649)  
<223> n equals a,t,g, or c

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<210> 388

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 388

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aaaaaa

1446

&lt;210&gt; 389

&lt;211&gt; 723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (705)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 389

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tgttatgggg ccggtagttt tttaataggg ggattgcccc tttcnaccgt ttggggggccc 720
ggg 723
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&lt;210&gt; 390

&lt;211&gt; 1046

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 390

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gaaccagcca gatgttcggc cccagccccc ttcgcccga gagggccctc tgccctgctgc 120
ccgacctgct ggtgccactc tggaaagggc caagactctc tccccaggga agaattgggg 180
cgtcaaagac gtttttgcct ttgggggtgc cgtggagaac cccgagtact tgacacccca 240
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ctattactgg gaccaggacc caccagagcg gggggctcca cccagcacct tcaaagggac 360
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gttttgtttt tttaaagatg aaataaaagc ccagggggag aatgggtgtt gtatggggag 960
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acaaaaaaaa aaaaaaaaaa aaaaaa 1046
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327

<210> 391  
<211> 699  
<212> DNA  
<213> Homo sapiens

<400> 391  
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atttggtgtg ctggtgaagg ggggagacta gagaaatggc agggaaacctc ttatccgggg 180  
caggtaggcg cctgtgggac tgggtgcctc tggcgtgcag aagcttctct cttggtgtgc 240  
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agaaaagggc catgttcgga gtgtatgaca acatcgggat cctgggaaac tttgaaaagc 360  
accccaaaga actgatcagg gggcccatat ggcttcgagg ttggaaaggg aatgaattgc 420  
aacgttgtat ccgaaagagg aaaatggttg gaagtagaat gttcgctgat gacctgcaca 480  
accttaataa acgcattccg tctctctaca aacactttaa ccgacatggg aagtttcgat 540  
agaagagaaa gctgagaact tcggaagagg ctcatctgtc accctggaga agggaaactg 600  
tacttttccc tgtgaggaaa cggctttgta tttctctgt aataaaatgg ggcttctttg 660  
gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagtcgacc 699

<210> 392  
<211> 1545  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<400> 392  
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tggcaccgtt tgcctcaagt acctgctgtt tacctacaat tgctgcttct ggctggctgg 180  
cctggctgtc atggcagtgg gcattctggac gctggccctc aagagtgact acatcagcct 240  
gctggcctca ggcacctacc tggccacagc ctacatctct gtgggtggcg gcactgtcgt 300

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catggtgact ggggtcttgg gctgctgctg caccttcaag gagcgtcggg acctgctgctg 360
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catgtgcctc tgccggggcag ggcttctctg gttttgtaca ctgctgtacc cagatgccta 1440
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1545

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<210> 393

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (748)

<223> n equals a,t,g, or c

<400> 393

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tgaaccggyc caggtcggaa acggagcagt tttccttgag cggagattca ggtttttcag 180
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cgaaaagggg cccctcgtag caaggtcccg ccgccacgag actttcacat caatctcttc 300
cgcatgcagc cctggctgag gcagacctg ggggatgtcc tgaatttttt acccctctag 360
ccatggccac tgagccctct gctgccctgc cagaatctgc cgcccctcca tcttctacct 420
ctgaatggcc acccttagac cctgtgatcc atcctctctc ctagctgagt aaatccgggt 480
ctctaggatn ccagaggcag cgacacaag ctgggaaatc ctacgggctc ctaccagcag 540
gactgcctcg ctgccccacc tcccgtctct tggcctgtcc ccagattcct tccctggttg 600
acttgactca tgcttgtttc actttcacat ggaatttccc agttatgaaa ttaataaaaa 660
tcaatggttt ccacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaana 749

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<210> 394  
<211> 611  
<212> DNA  
<213> Homo sapiens

<400> 394  
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agccggaaga gcgtttccca aagtgtattc tgcggaaacta gcacctactg tgttctcaac 180  
accgtgccac ctatagaaga tgatcatggg aacagcaata gtagtcatgt aaaaatcttt 240  
ttaccgaaaa agctgcttga atgtctgccg aaatgttcaa gtttaccaaa agagaggcac 300  
cgctggaaca ctaatgagag atcatgatgc agccgtcctt ttggatttct ttttaataat 360  
gtgtgaccct tcacctttga tcccctgacc tgcattacct tggtaaccat ttcatttttt 420  
aatttaattt cattttttta ttttggtgta caagctgtaa catttcatct ttcaaagtgt 480  
aacacgctga tttcctcaaa tagagatacc cctttgagtg ataaatttgc aaaatgctgt 540  
cttcattttc tgtattaaaa ttcatttcag ttttaaaata aagtgtaatc tgtgttttca 600  
tcctttttaa a 611

<210> 395  
<211> 1856  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1851)  
<223> n equals a,t,g, or c

<400> 395  
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acccggccga cgggaccctt aaagtctctg ttctgtcggg gcagcccggc tccgccggcg 120  
gagccccggc cggccaggcc ctgccgctca tgggtgccagc ccagagaggg gccagcccgg 180  
aggcagcgag cggggggctg ccccaggcgc gcaagcgaca gcgcctcacg cacctgagcc 240  
ccgaggagaa ggcgctgagg aggaaactga aaaacagagt agcagctcag actgccagag 300  
atcgaaagaa ggctcgaatg agtgagctgg aacagcaagt gtagatttta gaagaagaga 360  
accaaaaact tttgctagaa aatcagcttt tacgagagaa aactcatggc cttgtagtgt 420  
agaaccagga gttaagacag cgcttgggga tggatgccct ggttgctgaa gaggaggcgg 480  
aagcaagggg aatgaagtga ggccagtggc cgggtctgct gagtccgcag cactcagact 540  
acgtgcacct ctgcagcagg tgcaggccca gttgtcacc ctccagaaca tctcccatg 600  
gattctggcg gtattgactc ttcagattca gagtctgata tcctgttggg cattctggac 660  
aacttgacc cagtcatgtt cttcaaatgc cttccccag agcctgccag cctggaggag 720  
ctcccagagg tctaccaga aggaccaggt tccttaccag cctccctttc tctgtcagtg 780  
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accaagcccc tagtcttaga gataccctct gagacagaga gccaaagctaa tgtggtagt 900  
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tcatccagcc actgccc aaa gccatcttcc tgcctactgg atgcttacag tgactgtgga 1080  
tacgggggtt ccctttcccc attcagtga atgtcctctc tgcctgggtg aaaccattct 1140  
tgggaggaca cttttgcca tgaactcttt cccagctga ttagtgtcta aggaatgatc 1200  
caatactgtt gcccttttcc ttgactatta cactgcctgg aggatagcag agaagcctgt 1260

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ctgtacttca ttcaaaaagc caaaatagag agtatacagt cctagagaat tcctctatTT 1320
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gtagcttctg aaagggtgctt tctccattta tttaaaacta cccatgcaat taaaagggtac 1800
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<210> 396

<211> 2651

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2642)

<223> n equals a,t,g, or c

<400> 396

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gagccgaaga tggcagtgaa cgtatactca acgtcagtgga ccagtataaa cctaagtcga 180
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ttgaagaaag tgaaattcca agctaagcta gaacacgagt acatccagaa cttcaaaaata 360
ctacaagcag gttttaagag aatgggtggt gacaaaataa ttctgtgga caaattagta 420
aaaggaaagt ttcaggacaa ttttgaattc gttcagtggt tcaagaagtt tttcgatgca 480
aactatgatg gaaaagacta tgaccctgtg gctgccagac aaggtcaaga aactgcagtg 540
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gcagctcccc agaggcccat ctcaacacag agaaccgctg cggctcctaa ggctggccct 660
ggtgtggtgc gaaagaaccc tgggtggtggc aacggagacg acgaggcagc tgagttgatg 720
cagcaggtca acgtattgaa acttactggt gaagacttgg agaaagagag ggatttctac 780
ttcgaaagc tacggaacat tgaattgatt tgccaggaga acgaggggga aaacgaccct 840
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angggacca a 2651
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<210> 397

<211> 2507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2504)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2505)

<223> n equals a,t,g, or c

&lt;400&gt; 397

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&lt;210&gt; 398

&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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<222> (1227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1252)  
<223> n equals a,t,g, or c

<400> 398  
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<211> 1522

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<213> Homo sapiens

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<222> (1471)

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<222> (1481)

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<222> (1487)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1501)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1508)

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<211> 1370

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1223)

<223> n equals a,t,g, or c

<400> 401

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<210> 402

<211> 1412

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1406)

<223> n equals a,t,g, or c

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<211> 1750

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<400> 403

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<211> 1339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1330)

<223> n equals a,t,g, or c

<400> 404

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<212> DNA

<213> Homo sapiens

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<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 405

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cacctaccca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cggccctgcc 240
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tagtctttgg tggtttttaa aacagttgtt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacctc taataggggg tggtaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccacca 480
gg 482
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<210> 406

<211> 1413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 406

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ggaattcggc acgaggtttg gtgggggttac acgcgggttc aacatgcgta tcgaaaagtg 120
ttatttctgt tcggggccca tctatcctgg acacggcatg atgttcgtcc gcaacgattg 180
caaggtgttc agattttgca aatctaaatg tcataaaaac tttaaaaaga agcgcaatcc 240
tcgaaaagtt aggtggacca aagcattccg gaaagcagct ggtaaagagc ttacagtggg 300
taattcattt gaatttgaaa aacgtagaaa tgaacctatc aaataccagc gagagctatg 360
gaataaaact attgatgcga tgaagagagt tgaagaaatc aaacagaagc gccaaagctaa 420
atttataatg aacagattga agaaaaataa agagctacag aaagttcagg atatcaaaaga 480
agtcaagcaa aacatccatc ttatccgagc ccctcttgca ggcaaaggga aacagttgga 540
agagaaaatg gtacagcagt tacaagagga tgtggacatg gaagatgctc cttaaaaatc 600
tctgtaacca tttcttttat gtacatttga aaatgccctt tggatacttg gaactgctaa 660
attattttat tttttacata aggtcactta aatgaaaaagc gattaaaaga catctttcct 720
gcattgccat ctacataata tcagatatta cggatgttag attgcatctc agtgttaaat 780
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aactaatggc aaaaattcat ggctagtgat gtataaaata aaatattctt tgcagtaaaa 960
tattcccttt gttaatgtta tagaaggggg gatacaaaaa ggaactaaca atttgatatg 1020
```

```
cagtgtcaga tatttttatt ttagtatttc ctgttttggg ttatttgcat cttagaagag 1080
cataatgaca ttgtttgatg aagcctaatt atgctggact gttttgacct ggtttaaccc 1140
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aacagacttt acttttctag cccagcattg atctagaagc agaggaatcc cagcgcttt 1320
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ggtacctcgg ccgcgaccac gctaagccga att 1413
```

<210> 407

<211> 1693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

<400> 407

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agggatcgt ggaggccttt ctggccgggg ctgtgaccag cgtgtccctg ctggtcaacg 180
gtgcggccac ggagagcgcg gggagctgg cccgcaggca cagcatcccc acgggcctcc 240
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tcggcccgga argcttcttc cttggcaaga tgggattccg ggaggcggtg gcggccggag 360
acgtggattt gcctcagggt cggagccgca gctacaggag gatgctcgcg aggaccccc 420
gagctccgcc cggagggtact gtgaggcgt tagagctggc ggtggatgac ttccgcattc 480
aaacactgga gccatcacac ggaagcacga ggagggtatc ctccggcagct actcccggtc 540
gctcaagggtg tctctcgctc gccctctagg tgcgggagga gctcagggcc caactaagct 600
gcttccggga gctgctgggc aggcycaccac gcacgcggac gggcaccagc actgcacgtr 660
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ttccctgggt aggacactgc cacctctggg ctcaggctct catgcctcca aatggcatct 1500
agagtttgag cagccttctt ggctgcaggc aggcctagcc tgtggcancg ggctaggggc 1560
cgcagagcat ttggtgcccc tccatgttgc aatgcaaaca ccttcaccac tggggcagtg 1620
gggagagatg gctatattaa taaaataacg tgtgtctttc aaaaaaaaaa aaaaaaaaaa 1680
tcgagacagt tct 1693
```

<210> 408

<211> 1342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1332)

<223> n equals a,t,g, or c

<400> 408

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ggacaggagc tttgccaaca tggctgaacc cttcaagggtg tggacggaga atgcagacgg 180
gtcaggcgct gtgaacttcc tgacaggcat ggggggcttc ctgcaggcgg tggctcttcgg 240
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ctstttttcc gaggactccg tgaccgtgga ggtcacagct cgagcagggc cctgggctcc 360
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aggccccctg caccgctgtc agcctgagga attaaagctt tgggtgctggg aaaaaaaaaa 1320
aaaaaaaaaa anaaaaaaaa ca                                     1342
```

<210> 409

<211> 2417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (680)

<223> n equals a,t,g, or c

<400> 409

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agcctggccc tttaggccag cccagtcac gggctctgag tgtggangct gcgtagcacc 120
aggaagcggc tctgctgagg ttcaaggggc cccagcacag tgtggcatcc gttcagcttt 180
tggttggtcc aggatgggtg ggagccaggc ctgggggcct cggagcaacc acccgagcag 240
acggagtaca cggagcagcg gccccggccc cgccaacgct gccgcccggg tgctccagac 300
cttgatgat tacttctggt gggaacgtct gtggctgcct gtgaacttga cctggggccga 360
tctagaagac cgagatggac gtgtctacgc caaagcctca gatctctata tcacgctgcc 420
cctggccctt ctcttcctca tcgttcgata ctcttttgag ctgtacgtgg ctacaccact 480
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cccgccagar cgggcttytc tggccgccag taragcgttg gttccgtcgc cgccgcaacc 660
aggaccggcc cagtctcctn caagaagttc cgagaagcca gctggagatt cacattdttac 720
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tttttttaaa attaaaagat taaataaaaa atattaaata aaacatggca ataagtgtca 2340
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aaaaaaaaa aaaaaaa 2417
```

<210> 410

<211> 1401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1394)

<223> n equals a,t,g, or c

<400> 410

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tgatcccaaa atgcaaactg acaaaccttt tgaccagacc acaattagtc tgcagatggg 180
cactaataaa ggagccagcc aggcagggat gttagcacca ggtaccagaa gagacatcta 240
tgatcagaag ctaacattac agccggtgga caactcgaca atttccctac agatgggtac 300
caacaaagtt gcttcccaga aaggaatgag tgtgtatggg cttgggaggc aagtatatga 360
tcccataatc tgtgctgctc ctacagaacc tgtcattcac aacggaagcc aaggaacagg 420
aacaatagggt tcggaaatca gtgatagtga ttatcaggca gaataccctg atgagtatca 480
tggcgagtac caggatgact accccagaga ttaccaatat agcgaccaag gcattgatta 540
ttagatccac acagaaggag ctccagtattt agtcctttgt ttttattcag tgagaaccaa 600
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aagagcatgt acaaaagtgg cctgtggaca tttaggcctg ggtgatgcat ttgctcttcc 1200
tgtttgtgcc aatgtatcaa tgtagagttg ctctgttttc ttcaactgta tttattgctg 1260
catttctcag cataaactta tcccattgta ttttttataa ataaatattt tttttgaact 1320
ttmaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa gggnggccgt t 1401
```

<210> 411

<211> 3016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 411

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ccggggctgg tgattggagg aaaccccgctg tctgcggacg gctgtagcct gtgagcagcg 120
agatccaggg acagagtctc agcctcgccg ctgctgccgc cgccgcccgc cagagactgc 180
tgagcccgtc cgtccgccgc caccacccac tccggacaca gaacatccag tcatggataa 240
aaatgagctg gttcagaagg ccaaactggc cgagcaggct gagcgatag atgacatggc 300
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aagtattgaa caaaagacgg aagggtgctga gaaaaaacag cagatggctc gagaatacag 480
agagaaaatt gagacggagc taagagatat ctgcaatgat gtactgtctc ttttggaata 540
gttcttgatc cccaatgctt cacaagcaga gagcaaagtc ttctatttga aaatgaaagg 600
```

```

agattactac cgttacttgg ctgagggtgc cgctggtgat gacaagaaag ggattgtcga 660
tcagtcacaa caagcatacc aagaagcttt tgaaatcagc aaaaaggaaa tgcaaccaac 720
acatccctatc agactgggtc tggcccttaa cttctctgtg ttctattatg agattctgaa 780
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ctctcgtgcc gaattc 3016

```

&lt;210&gt; 412

&lt;211&gt; 958

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (930)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (934)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 412

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cttgcgcccc cgcggtgtgtg cgcctaatact cagggtgggtcc acccgagacc ccttgagcac 60
caaccctagt ccccgcgcg gccccttatt cgctccgaca agatgaaaga aacaatcatg 120
aaccaggaaa aactcgccaa actgcaggca caagtgcgca ttggtgggaa aggaactgct 180
cgcagaaaaga agaaggtggt tcatagaaca gccacagcag atgacaaaaa acttcagttc 240
tccttaaaaga agttaggggt aaacaatatc tctggtattg aagaggtgaa tatgtttaca 300
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ttaaaccagc ttggtgcgga tagtctgact agtttaagga gactggccga agctctgccc 480
aaacaatctg tggatggaaa agcaccactt gctactggag aggatgatga tgatgaagtt 540
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ttttaagaaa tttttgttta tggatctgat aaaatctaga tctctaatat ttttaagccc 720
aagccccttg gacactgcag ctcttttcag tttttgctta tacacaattc attctttgca 780
gctaattaag ccgaagaagc ctgggaatca agtttgaaac aaagattaat aaagttcttt 840
gcctagttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggnggccgt tttaaaggaa ccagggttt 958
```

&lt;210&gt; 413

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 413

```
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gcggccgctc gaattaagcc 500
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&lt;210&gt; 414

&lt;211&gt; 3397

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
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<222> (24)  
<223> n equals a,t,g, or c

<220>  
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<222> (3081)  
<223> n equals a,t,g, or c

<400> 414  
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<210> 415

<211> 2880

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 415

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<210> 416

<211> 1616

<212> DNA

<213> Homo sapiens

<220>

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<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1611)

<223> n equals a,t,g, or c

350

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1616)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 416

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&lt;210&gt; 417

&lt;211&gt; 1815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 417

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&lt;210&gt; 418

&lt;211&gt; 1966

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 418

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<210> 419

<211> 2852

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2838)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2843)

<223> n equals a,t,g, or c

<400> 419

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<212> DNA

<213> Homo sapiens

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<211> 1901

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1828)

<223> n equals a,t,g, or c



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&lt;210&gt; 422

&lt;211&gt; 2477

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 422

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<211> 777

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (764)

<223> n equals a,t,g, or c

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caactatggc agcagcgtgg cctccgccac cgtgcacatc cgaatggcct ttctgagaaa 180

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&lt;210&gt; 424

&lt;211&gt; 1649

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 424

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&lt;211&gt; 1608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<223> n equals a,t,g, or c

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<222> (1600)  
<223> n equals a,t,g, or c

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<210> 426  
<211> 1794  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1789)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

&lt;222&gt; (1790)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1793)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 426

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tctcttttaa tactaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaann aana 1794
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&lt;210&gt; 427

&lt;211&gt; 770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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<223> n equals a,t,g, or c

<220>  
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<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (618)  
<223> n equals a,t,g, or c

<400> 427  
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taaaaaatag aaattatctc actacttaaa tcccattttt ttcacttcat atgaaagaac 180  
atattgatag tatattctat attatttcat agatctgtct gaaagagatt gggaacaaaa 240  
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<210> 428  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 428

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ggactgtacc tgcacgggg ctgggcgagg gagaataagc tgtaccatcg caaaccgctg 180
ccatgaaggg ggtcagtcct acaagattgg tgacacctgg aggagaccac atgagactgg 240
tggttacatg ttagagtgtg tgtgtcttgg taatggaaaa ggagaatgga cctgcaagcc 300
catagctgag aagtgttttg atcatgctgc tgggacttcc tatgtggtcg gagaaacgtg 360
ggagaagccc taccaaggct ggatgatggt agattgtact tgcctgggag aargcagcgg 420
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attingagaca ncttgagcaa gaaggataat cg 512
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<210> 429

<211> 1470

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (1454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1462)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 429

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ttgggtgggg ggccgctgaa ctgacaagcg acatttcagc tcctttcacc cgccggaacc 180
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gtaagaacaa gctgcagcag ctgccagcag actttggccg tctggtcaac ctccagcacc 480
tggatctcct caacaacaag ctggtcacct tgcctgtcag ctttgtcag ctcaagaacc 540
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aggcaaggtt ggtntactaa anggcagttg 1470
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&lt;210&gt; 430

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 430

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gaatccccag ccggaagct ctccagctc ttcgcccttc ctgttacggg aggcactgtt 180
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gcgtctggtg tcctgggtga acctcatctg caaktccggg tcaactsatcg agcctcacta 360
ccagccctgg rrtacatgg cacacacagg cttttgaaaa ttgcctcaac ctgctcagtc 420
gcctcaacaa cctc 434
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&lt;210&gt; 431



363

&lt;211&gt; 1823

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1804)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1805)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1815)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 431

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tcagaagaat aaattcttga ttgatgggtt tccaagaaat caagacaacc ttcaaggatg 480
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<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3391)  
<223> n equals a,t,g, or c

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&lt;210&gt; 433

&lt;211&gt; 2553

366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2516)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 433

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tggtacggtg taccgcagcg gagagtcctt ccagagcagc tgcaagtacc agtgcacgtg 180
cctggacggg gcggtgggct gcatgcccct gtgcagcatg gacgttcgtc tgcccagccc 240
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accaaaaagtt acatgtttgc acctttctag ttgaaaataa agtgtatatt ttttctataa 2460
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ccgggaattn ccgganccgg 2520
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<210> 434

<211> 2532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2470)

<223> n equals a,t,g, or c

<400> 434

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cgggtccctca gcgcggcctc ctgcgccccg atctccttgc ccgcgcgcgc ctcccggagc 240
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cagggagatc ttgtgcgaaa actcaaagaa gataaagcac cccaagtaga cgtagacaaa 360
gcagtggctg agctcaaagc ccgcaagagg gttctggaag caaaggagct ggcgttacag 420
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ggctgtgctt tgaagaacaa tattattcag acctggaggc agcactttat ccaagaggaa 600
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aaaaaaaaaa aa 2532

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&lt;210&gt; 435

&lt;211&gt; 1822

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 435

```

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tttggggggg ggggcccgt ta 1822

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&lt;210&gt; 436

&lt;211&gt; 1030

<212> DNA

<213> Homo sapiens

<400> 436

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cagatcaaga cagcacgtac caccatggca ggcctgacca tggaggaact tatccagttg 180
gttgctgcac gactggcaga acatgagcgg gtggcagcaa gtactcagcc acttggtcgc 240
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cattctgctt tggtttggt cagcctctag tccatttcct taaggctcat gtatgcagat 900
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aaaaaaaaagt                                     1030
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<210> 437

<211> 1632

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1628)

<223> n equals a,t,g, or c

<400> 437

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gccccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgcag 180
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<210> 438

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (993)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (994)

<223> n equals a,t,g, or c



<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<400> 438

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ttcccccagc caaactgtct ttgtcaccac gtggggctca cttttcatcc ttccccaact 180
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```

<210> 439

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

<400> 439

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ctcgggctgg ggctgctgct gctggcactg ctccctacca cgcagattta ttccagtga 180
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aatccaacta atgccaccac caaggyggct ggtggtgccc tgcagtcaac agccagtctc 300
ttcgtggtct cactctctct tctgcatctc tactcttaag agactcaggc caagaaacgt 360
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aaggaaaaac aggtcttcat cgaatctact aattccacac cttttaaaaa tttttnggga 480
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aaaaaaattt tcccccccc ccccaaaaaa aaaaaaaaat ttttttttt tttt 594
```

<210> 440

<211> 1580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (873)

<223> n equals a,t,g, or c

<400> 440

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cccggggcca tgctgcctgc agccacagcc tcctcctctg ggccccctct cactgcctgc 180
gccctgctgc cttttgcca gggccagacc cccaactaca ccagaccctg gttcctgtgc 240
ggaggggatg tgaaggggga atcaggttac gtggcaagt aggggttccc caacctctac 300
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gatctcagt tcaccgtga tggcttctca gcctcctaca agaccctgcc gcggggcact 960
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cccaagtccc aacctccgga gaaaacagag gaatctcct cagcccctga tgcaccacc 1080
tgcccaaaag agtgccgccg gacaggcacc ttgcagagca acttctgtgc cagcagcctt 1140
gtggtgactg cgacagtga gtccatgggt cgggagccag gggagggcct tgccgtgact 1200
gtcagctcta ttggtgctta taaaactgga ggactggacc tgccttctcc acccactgg 1260
gcctccctga agttttacgt gccttgcaag cagtgcctcc ccatgaagaa aggagtca 1320
tatctgctga tgggccagggt agaagagaac agaggcccc tccttcctcc agagagcttt 1380
gtggttctcc accgcccga ccaggaccag atcctcacca acctaagcaa gaggaagtgc 1440
```

373

```
ccctctcaac ctgtgcgggc tgctgcgtcc caggactgag acgcaggcca gccccggccc 1500
ctagccctca ggccttcttt cttatccaaa taaatgtttc ttaatgagga atgggtcaga 1560
tctccatgct tatggtaaaa 1580
```

```
<210> 441
<211> 1082
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (1074)
<223> n equals a,t,g, or c
```

```
<400> 441
ctgccgagcg cctcttgagg ctgggctttc ccccgcggtg cggcgccagg agccgccttt 60
tccgctgggt gtcactcggg ggtggggaag atggcccatt caaaagcgcc gcgagggggc 120
ccggccagtg cccttnagtg agcgctcgca agaggacggc agaggcccg cagctcggag 180
ctccgggacc ttgtggcgca tcaggacgag gctgtccctc tgccgggacc cagagccgcc 240
gccgccgctc tgctcctgc gtgttagcct cctctgcgag ctccgggcag gcggccgtgg 300
gagccgctgg ggcgaggacg gcgcgagget gctgctgctg ccccgggccc gcgcggctgg 360
aaacggagag gccgagccaa gcggcgggcc ctcttatgct gggaggatgc tggagagtag 420
cggctgcaaa gcgctgaagg agggcggtgct ggagaagcgc anacngggtt gttgcagctc 480
tggaagaaaa agtgttgcat cctcaccgag gaagggtgc tgcttatccc gcccaagcag 540
ctgcaacacc agcagcagca gcaacagcag cagcagcagc agcaacaaca gcccgggcag 600
gggcccggcg agccgtccca acccagtggc cccgctgtcg ccagcctcga gccgccggtc 660
aagctcaagg aactgcactt ctccaacatg aagaccgtgg actgtgtgga gcgcaagggc 720
aagtacatgt acttactgt ggtgatggca gagggcaagg agatcgactt tcggtgcccc 780
caagaccagg gctggaacgc cgagatcacg ctgcagatgg tgcagtacaa gaatcgtcag 840
gccatcctgg cgggtcaaat caccgagcag aagcagcagc acctgggtcca gcagcagccc 900
ccctcgagc cgagcccgca gccgagctc cagccccaac cccagcctca gcctcagccg 960
caacccagc cccaatcaca accccagcct cagccccaac ccaagcctca gccccagcag 1020
ctccamccgt atycgatyc amattcamat ycamaatctt atccttmatt tggnaaccaa 1080
aa 1082
```

```
<210> 442
```

&lt;211&gt; 1241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 442

```
agacgagcgt ggcggccgcg gctgctcggg gccgcgctgg ttgccattg acagcggcgt 60
ctgcagctcg cttcaagatg gccgcttgct cgcattcatt ttctgctgaa cgacttttaa 120
ctttcattgt cttttccgcc cgcttcgatc gcctcgsgcc ggctgctctt tccgggattt 180
tttatcaagc agaaatgcat cgaacaacga gaatcaagat cactgagcta aatccccacc 240
tgatgtgtgt gctttgtgga gggacttca ttgatgccac aaccataata gaatgtctac 300
attccttctg taaaacgtgt attgttcgtt acctggagac cagcaagtat tgcctattt 360
gtgatgtcca agttcacaag accagaccac tactgaatat aaggtcagat aaaactctcc 420
aagatattgt atacaaatta gttccagggc ttttcaaaa tgaaatgaag agaagaagg 480
atthttatgc agctcatcct tctgctgatg ctgccaatgg ctctaataa gatagaggag 540
aggttgcaga tgaagataag agaattataa ctgatgatga gataataagc ttatccattg 600
aattccttga ccagaacaga ttggatcgga aagtaaaca agacaaagag aaatctaagg 660
aggaggtgaa tgataaaaga tacttacgat gccagcagc aatgactgtg atgcacttaa 720
gaaagtctct cagaagtaaa atggacatac ctaatacttt ccagattgat gtcattgatg 780
aggaggaacc ttaaaaggat tattatacac taatggatat tgcctacatt tatacctgga 840
gaaggaatgg tccacttcca ttgaaataca gagttcgacc tacttgtaaa agaatgaaga 900
tcagtcacca gagagatgga ctgacaaatg ctggagaact ggaaagtga tctgggagt 960
acaaggccaa cagcccagca ggaggtattc cctccacctc ttcttgtttg cctagcccca 1020
gtactccagt gcagtctcct catccacagt ttctcacat ttccagtact atgaatggaa 1080
ccagcaacag cccagcgggt aaccaccaat cttcttttgc caatagacct cgaaaatcat 1140
cagtaaatgg gtcatcagca acttcttctg gttgatacct gagactgtta aggaaaaaaa 1200
aaaaaaaaa accccggccg ctcccacttc agattggtaa c 1241
```

&lt;210&gt; 443

&lt;211&gt; 968

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 443

```
cccacgcgtc cgcaggaagc caactatttg aaatgcacga gaaactaagt tgtatggcaa 60
actctgtaat aaaaaatcta cagtcacgtt ggagatcacc atcccatgaa aattctattt 120
agtattttca gagaaaattg aaggttttt taaacatcac tggatttctt gattgaggaa 180
acaagtcttg aaataatagc acaatttcaa agaagagact ctttgcaaag ttgataacat 240
ttcaaaccct gaaggacagt gacttattat gtwagttcaa tkttgtaagt ycattatgtw 300
agatcctttt tttttttcat aatatgtatt cttggctgct atgcgtggtt tttcaggaaa 360
tttaattatc ttactgagat gtgaaagcaa aactagtaac agaacttaca ttttatttca 420
tgctttctta aaccctgca tattctggtg aaacatgtaa aatactttaa gtaaaattga 480
acatthttat ttgaattttt gctgaactga taaagggtgt tataattttg tttgttkgtt 540
tgtttaattc atgtttgttg ggactgaggt ttaggaagtt tgttactggt taaaaacctc 600
aaatgaaatg cgaaagaatt tgaatttttc ctgcatatgt caactttgga cagctttcaa 660
gaaaaatgag aaaagtttca acttctggcg gttaaaatat taatgcagaa ttactaaga 720
ttttattcat ttgcattagc aaatattcat gcagcagcag ttgactgaaa atttattctt 780
atgagacgta tagtattcat ttttaaatgc atgattgtac attatgtata gacgacaatg 840
tttttaattt ataaatttca ttctttgtta attgcatggg tttttctgca gcttattgtg 900
aataccttgg ttctgttcaa tagaaacatt ttgtatatat traatactga aatatcaaaa 960
aaaaaaaaa
```

375

<210> 444  
<211> 1360  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 444  
cgccggagcg tcactctgcga ctccaatgcc actgcaactgg agcttcccg ccttcctctt 60  
tccttgcccc agcccagcat ccccgcggt gtcccgagca gtgctccacc gganccccac 120  
cggaagaga ccgtgaccgc caccgccact tcccaggtag cccagcagcc tccagccgct 180  
gccgcccctg gggaacaggc cgtcgcgggc cctgcccctc gactgtcccc agcagtacca 240  
gcaaagaccg cccagtgtcc cagcctagcc ttgtggggag caaagaggag ccgcccggcg 300  
angaaaagtg cagcggcggc gcaagcgcmn aaggagccac aggaggaacg gagccagcag 360  
caggatgata tcgaagagct ggagaccaag gccgtgggaa tgtctaacga tggccgcttt 420  
ctcaagttag acatcgaaat cggcagaggc tcctttaaga cggctctaca aggtctggac 480  
actgaaacca ccgtggaagt cgctgggtgt gaactgcagg atcgaaaatt aacaaagtct 540  
gagaggcaga gatttaaaaga agaagctgaa atgttaaaag gtcttcagca tcccaatatt 600  
gttagatttt atgattcctg ggaatccaca gtaaaaggaa agaagtgcag tgttttggtg 660  
actgaactta tgacgtcttg aacacttaaa acgtatctga aaaggtttaa agtgatgaag 720  
atcaaagttc taagaagctg gtgccgtcag atccttaaag gtcttcagtt tcttcatact 780  
cgaactccac ctatcattca ccgcgatctt aaatgtgaca acatctttat caccggccct 840  
actggctcag tcaagrttg agacctcgt ctggcaaccc tgaagcgggc ttcttttgcc 900  
aagagtgtga taggtacccc agagtcatg gcccctgaga tgtatgagga gaaatatgat 960  
gaatccgttg acgtttatgc ttttgggatg tgcattgctg agatggctac atctgaatat 1020  
ccttactcgg agtgccaaaa tgctgcgcag atctaccgtc gcgtgaccag tggggtgaag 1080  
ccagccagtt ttgacaaagt agcaattcct gaagtgaagg aaattattga aggatgcata 1140  
cgacaaaaca aagatgaaag atattccatc aaagacctt tgaacctgc cttcttccaa 1200  
gaggaaacag gagtacgggt agaattagca gaagaagatg atggagaaaa aatagccata 1260  
aaattatggc tacgtattga agatattaag aaattaaagg gaaaatacaa agataaaaaa 1320  
aaaaaaaaa aaaaaaaaaa aaaaaacacc caccgtgccg 1360

<210> 445  
<211> 1835  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1738)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1747)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1758)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1801)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1806)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1831)  
<223> n equals a,t,g, or c

<400> 445  
tcgacccacg cgtccgggat gagggccggc ctctcatttc tcctagccct tctgttcttc 60  
cttgccaag ctgcaggga tttgggggat gtgggacctc caattcccag ccccggttc 120  
agctctttcc caggtgttga ctccagctcc agcttcagct ccagctccag gtcgggctcc 180  
agctccagcc gcagcttagg cagcggaggt tctgtgtccc agttgttttc caatttcacc 240  
ggctccgtgg atgaccgtgg gacctgccag tgcctgtttt ccctgccaga caccamcttt 300  
cccgtggaca gagtggaaacg yttggaatt cacagctcat gttctttctc agaagtgtga 360  
gaaagaactt tccaaagtga gggaatatgt ccaattaatt agtgtgtatg aaaagaaact 420  
gttaaacctt actgtccgaa ttgacatcat ggagaaggat accattttctt acactgaact 480  
ggacttcgag ctgatcaagg tagaagtga ggagatggaa aaactgggtca tacagctgaa 540  
ggagmstttt ggtggaagct cagaaattgt tgaccagctg gaggtggaga taagaaatat 600  
gactctcttg gtagagaagc ttgagacact agacaaaaac aatgtccttg ccattcgccg 660

```

agaaatcgtg gctctgaaga ccaagctgaa agagtgtgag gcctctaaag atcaaaacac 720
ccctgtcgtc caccctcctc ccactccagg gagctgtggt catggtggtg tggtgwacat 780
cagcaaaccg tctgtggttc agctcaactg gagagggttt tcttatctat atggtgcttg 840
gggtagggat tactctcccc agcatccaaa caaaggactg tattgggtgg cgccattgaa 900
tacagatggg agactgttgg agtattatag actgtacaac aactggatg atttgctatt 960
gtatataaat gctcgagagt tgcggatcac ctatggccaa ggtagtggtg cagcagttta 1020
caacaacaac atgtacgtca acatgtacaa caccgggaat attgccagag ttaacctgac 1080
caccaacacg attgctgtga ctcaaactct ccctaagtgt gcctataata accgcttttm 1140
atatgcta atgtgcttggc aagatattga ctttsctgtg gatgagaatg gattgtgggt 1200
tattttattca actgaagcca gcactggtna catggtgatt agtaaactca atgacaccac 1260
acttcagggtg ctaaacactt ggtataccaa gcagtataaa ccactctgctt ctaacgcctt 1320
catggtatgt ggggttctgt atgccacccg tactatgaac accagaacag aagagatttt 1380
ttactattat gacacaaaca cagggaaaga gggcaaaacta gacattgtaa tgcataagat 1440
gcaggaaaaa gtgcagagca ttaactataa cccttttgac cagaaaacttt atgtctataa 1500
cgatggttac cttctgaatt atgatctttc tgtcttgcat aagccccagt aagctgttta 1560
ggagttaggg tgaaagagaa aatgtttgtt gaaaaaatag tcttctccac ttacttagat 1620
atctgcaggg gtgtctaaaa gtgtgttcat tttgcagcaa tgtttargtg catagttcta 1680
ccacactaga gatctaggac atttgtcttg atttggtgag tctcttgggg atcatctngc 1740
ytttcangcg cmttttgnca taaagtcygt cyaggggtggg attgtcagag gtctaggggc 1800
ncttgnnggc ctaatggaac ccttctgtga ngaag 1835

```

<210> 446

<211> 1355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 446

```

ggcacgagcg cgtcgcacgg gaagtcgaag cggagatccc ggggtcgcgc gaganccgca 60
agcggagttg gtgggcgcta tgctatcacc cgaggcagag cgagtgcgtc ggtaccttgt 120
agaagtggag gagctcgccg aggaggtgct ggcggacaag cggcagattg tggacctgga 180
cactaaaagg aatcagaatc gagaggcctg gagggccctg cagaaggatc tcagcctctc 240
tgaaagatgtg atggtttgct tcgggaacat gtttatcaag atgcctcacc ctgagacaaa 300
ggaaatgatt gaaaaagatc aagatcatct ggataaagaa atagaaaaac tgcggaagca 360
acttaaagtg aagggtcaacc gcctttttga ggcccaaggc aaaccggagc tgaagggttt 420
taacttgaac cccctcaacc aggatgagct taaagctctc aaggctcatc tgaaaggatg 480
agactcaaga accaagatgg gggaccagca accccccagg gtcattggag acccaggacc 540
ctccaacctt gacacctgta aggacaggat ctgccctgta agggccagcc gtcagggaatc 600
tggccatgaa aacctctttg tagtgcttgg ctactctgtg atggcaggag ggaaccttca 660
gcctgtcttg ctgctggacc tggacaccag ggctcgggtg acacaagatc tattgacggg 720
ccttggtagc caccagtggg tgtgtggggc agtggtgtgt ggggtgtaag aatgactgca 780
acaggcactt cccaacaatg gcctgtgtgt cacatggacc ctgagcaagg aaggaggagg 840
ggaggggagc agtggaggtg cattccagca ttcctctcag aaggggagaga ggttttcagg 900
ctggtgccat gcgattggaa taaagcagga ggctcatggg tggttgctga atgaagaaca 960
gaatcttggg gctttgtggc tcaccacagc catctgtggg gcaggcacac acacctcccc 1020
ccagctccaa ttttgcactt tttccctgct tgattccaag agtaggtgct gcctagcagc 1080
ccttcgtggc cactctttac tcaggagggc cttgcagagt cctgcaccag gcctgggtga 1140

```

378

```

gtggatgcgc ctcttaccat atgacacgtg tcaagatgcc cttccgcccc ctctgaaagt 1200
ggggcccggc cagcactgct cgttactgtc tgccttcagt ggtctgaggt cccagtatga 1260
actgccgtga agtcaaaact cttatgtgtt cattaagggc tcaataaatg ttagctgaat 1320
gaawaaaaaa aaaaaaaaaa amawaaaaaa aaaaaa 1355

```

```

<210> 447
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

```

```

<400> 447
tgcctctgtg tgtgtgcaag acagagagat aggctatttg tcaagtcagc tagttgccta 60
ggtatctttg tctcacatct ggctgtttcc tcctagagaa ccatccagtt ggctttccag 120
gtctggaggt gagctaattg atgagtgaat atnagcagtg ggtgttcctc atctctttga 180
ggatttgcct cagagttcac taccaaggga tttctggaac taggwgccat tctttacatc 240
agttcttgag ggttctttga tatcaggggc aaaatgatcc cttctctttt ctttcttata 300
tcctgtgctt tgnctcctgg gtgatttctc ttcaagtcag ttgtgggagg tgcctaggaa 360
caacgctaac acggg 375

```

```

<210> 448
<211> 1393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1360)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (1383)
<223> n equals a,t,g, or c

```

```

<400> 448
tcttttacat gtttaaattt aaaccattct tcgtgacccc ttttcttggg agattcatgg 60
caagaacgag aagaatgatg gtgcttggtt ggggatgtcc tgtctctctg aactttgggg 120
tcctatgcat taaataattt tcctgacgag ctcaagtgtc cctctgtgtc tacaatccct 180
ggcggtggc cttcatccct tgggcaagca ttgcatacag ctcatggccc tccctctacc 240
ataccctcca ccccggttcg cctaagctcc cttctccggg aatttcatca tttcctagaa 300
cagccagaac atttgtggtc tatttctctg ttagtggtta accaaccatc tgttctaaaa 360

```



```
gaagggctga actgatggaa ggaatgctgt tagcctgaga ctcaggaaga caacttctgc 420
agggctcact cctggcttct ggaggaaaga gaaggagggc agtgctccag tggtagagaa 480
gtgagacata atggaatcag gcttcacctc caaggacacc tatctaagcc attttaaccc 540
tcgggattac ctagaaaaat attacaagtt tggttctagg cactctgcag aaagccagat 600
tcttaagcac cttctgaaaa atcttttcaa gatattctgc ctagacggtg tgaagggaga 660
cctgctgatt gacatcggtc ctggcccccac tatctatcag ctctctctctg cttgtgaatc 720
ctttaaggag atcgctcgtc ctgactactc agaccagaac ctgcaggagc tggagaagtg 780
gctgaagaaa gagccagagg cctttgactg gtccccagtg gtgacctatg tgtgtgatct 840
tgaagggaac agagtcaagg gtccagagaa ggaggagaa ttgagacagg cggtaagca 900
ggtgctgaag tgtgatgtga ctcagagcca gccactgggg gccgtcccct taccctcggc 960
tgactgcgtg ctcagcacac tgtgtctgga tgccgcctgc ccagacctcc ccacctactg 1020
cagggcgctc aggaacctcg gcagcctact gaagccaggg ggcttcctgg tgatcatgga 1080
tgcgctcaag agcagctact acatgattgg tgagcagaag ttctccagcc tccccctggg 1140
ccgggaggca gtagaggctg ctgtgaaaga ggctggctac acaatcgaat ggtttgaggt 1200
gatctcgcaa agttattctt ccaccatggc caacaacgaa ggacttttct ccctgggtggc 1260
gaggaagctg agcagacccc tgtgatgcct gtgacctcaa ttaaagcaat tcctttgacc 1320
tgtcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aanaaaaaaa aaa 1393
```

<210> 449

<211> 1663

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 449

```
aaagaacggg ggtgatgtgg ttccacaata ttacaaggac cccaaaaagc tctgcgnaga 60
ggacttgag aagttggtga ccagggtaaa agtaggcagc gagccagcaa aagactgttt 120
gccagcaaag ccctcagagg ccacctcaga ccggtcagag ggcagcagcc gggacgcagn 180
ggtagcgacg agaacgagga gtcgagcggt gtggattacg tggaggtgac ggtcggggag 240
gaggatgcga tctcagatag atcagatagc tggagtcagg ctgcggcaga aggtgtgtcg 300
gaactggctg aatcagactc cgactgcgtc cctgcagagg ctggccaggc ctagacaggg 360
aagtctgtta gaactgctgt gctgatcaac gggacgctcc gtctttgaag aaagaagaga 420
tggctctctc ccagccatgg gccacccttg ccagtractc caagtggaac tacttagctc 480
gcgtgtgcct ggarggtgcg ggaagtccag cgactctcag acgcacctcc cagaggaccg 540
gtgggaattg ttcatagtgc caaagtccta mtactgcgtt ttcaatgggt ccttgtagat 600
agtttgctcc tctgscctag ncctcacctc ttgctatact ggraccgatt tgtacaatgt 660
```

```
gggaattttg ttaccytttt aatcaagggc aacttccttt tccagcacta ccattgtaag 720
gttkttttca ggaggaggagg staaccacct tgcttttctc tttctctctt ttcttttttt 780
tatttttggt ttattaattt ggggaaaggg gtgttagcat tagtgccatg atatctactg 840
gattttaagt agggagactt tatttttaaa ggtaggttga aatttgggag atttctcggc 900
aggaagggct gaaatccagg cccctgtctc aacttgagga gaggtgacag acggcagatc 960
ttccaaatca aattcctttc cagttcttcc cctggctgcc tttttggggg tccctgcctt 1020
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tcttgggcag gctgtgcccc gccagccctg ggagaactgg gtagcagggtg gctgacttct 1140
ttaagcacct ttctaaatac cagcagaaga ggctcccgcc tctgttagca tgatcagtac 1200
tattgtgaca ttaaaacaac aacaataaga tcttcctatc tggagggtac agagggtgaat 1260
ggctttggtt ttcatttctc ttcttctactg ccttttctcg gtgtggtatt tgacaagatt 1320
ttagctcaaa gcctcaccat gaattgattt tttttgtttg tgtgtgtgtt tgttttggga 1380
caattttaga tacctgagtg cactttttca gttagtctta acttttaaaa gaaggaaaac 1440
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ccaatttttc taacttggtg ctcatgtgtt gtaactcaat aaagcaaaga ctaaacattt 1620
ttataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1663
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&lt;210&gt; 450

&lt;211&gt; 1380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 450

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```

&lt;210&gt; 451

&lt;211&gt; 926

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<400> 451

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gcacaatttg ggaatattct actttaaaaa ggctctgcaa gagaatgaca atgtctgtgc 480
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tcctcgccctc tggctacggc tggctgnaat gctgcattgc tgccaataag gggacttctg 720
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gctatcatcg taaaatagtt ttggcatcac agtctataca gaatactgtt tatraatggg 840
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agaaatgcct ggtttgcttg ttacct                                     926
```

<210> 452

<211> 1642

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1608)

<223> n equals a,t,g, or c

<400> 452

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aatatttcag tcaataagtt ttaacagaga gaaactccct tccagcgaag tggtgaaatt 420
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aaaaaaaaaa aaaaaaaaaa aa 1642

```

&lt;210&gt; 453

&lt;211&gt; 2254

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 453

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gagtttgatt ataaaaaaaa aaaaaaaaaa aaaa 2254

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&lt;210&gt; 454

&lt;211&gt; 1931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 454

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```

<210> 455

<211> 771

<212> DNA

<213> Homo sapiens

<400> 455

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<210> 456

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

&lt;400&gt; 456

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aaaaaaaaaa aaaaaaaaaa aaanaanan 1169
```

&lt;210&gt; 457

&lt;211&gt; 3249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3234)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 457

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<210> 458

<211> 1916

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1895)

<223> n equals a,t,g, or c

<220>

<221> misc feature



&lt;222&gt; (1902)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 458

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&lt;210&gt; 459

&lt;211&gt; 2773

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 459

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<210> 460

<211> 2031

<212> DNA

<213> Homo sapiens

<400> 460

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tttcttcaat cacatctgaa taaatcact gaagaaagct tatagcttca ttgacccatg 180
tgtggcattt gggcgctgtt tggcagtgat gattgcctt ctgttcagtg tctgagtgt 240
atgaagattg cacacagagg tccagatgca ttccgttttg agaatgtcaa tggatacacc 300
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aagaagatgc aacagcattt tgaatttgaa taccagacca aagtggatgg tgagataatc 480
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<210> 461

<211> 1839

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1832)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1839)

<223> n equals a,t,g, or c

<400> 461

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<210> 462

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (737)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<400> 462

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<210> 463

<211> 1717

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 463

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<210> 464

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (827)

<223> n equals a,t,g, or c

<400> 464

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gaaacaggtg ttgcagcgct ccatcatcga ccagtgaagc gagtccgtgc ttgctatctg 720
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<210> 465

<211> 1173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1171)

<223> n equals a,t,g, or c

<400> 465

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1173

<210> 466

<211> 521

<212> DNA

<213> Homo sapiens

<400> 466

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<210> 467

<211> 1428

<212> DNA

<213> Homo sapiens

<400> 467

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<210> 468

<211> 3463



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1187)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 468

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ggagccatgg ccaccgctaa cggggccgtg gaaaacgggc agccggacag gaagccgccg 120
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&lt;210&gt; 469

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 469

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aaaaaaaaaa aaaaaaaaaa a 621

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&lt;210&gt; 470

&lt;211&gt; 1833

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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<222> (524)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1798)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1812)  
<223> n equals a,t,g, or c

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<210> 471  
<211> 3202  
<212> DNA  
<213> Homo sapiens

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<220>  
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<210> 472

<211> 941

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (927)

<223> n equals a,t,g, or c

<400> 472

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agcaaggctc tattcctagt ctccagccat gcctgtggca acctgagccc gctctcagca 180
cattggaccc aggcagatgy aaaaaattca cagaactatg atttggaactc aagggtttgt 240
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gcatttgatg agacagggcy gaatactgca gttttcctcc tagaaatcmt ctggggcatt 360
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<210> 473

<211> 1279

400

<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1273)  
<223> n equals a,t,g, or c

<400> 473  
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<210> 474  
<211> 3209  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<400> 474  
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gtggtacggc ccctcaagtg cacgggtgttc catggggccc aggtggagga cgccttccgc 360
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402

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<211> 833  
<212> DNA  
<213> Homo sapiens  
  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<400> 475  
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gaggaatggg atttaatgac ctttgatgcc aaccatgatg acagcgtgaa aaaaatcaaa 180  
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tcccaaaatt aatgagaatg agatgagtag agtaagattt ggggtgggatg ggtaggatga 720  
agtatatgtc ccaactctat gtttctttga ttctaacaca attaattaag tgacatgatt 780  
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<210> 476  
<211> 1141  
<212> DNA  
<213> Homo sapiens



&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 476

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g 1141
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&lt;210&gt; 477

&lt;211&gt; 1102

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 477

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404

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&lt;210&gt; 478

&lt;211&gt; 4201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4077)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4161)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4186)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 478

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c 4201

&lt;210&gt; 479

&lt;211&gt; 787

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 479

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tgagaggtgt agtaccgccc ccagagccaa ttttccactt ccgcktccgg cgctgcggca 180
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acccgggcac cagggaccac agcactggtt tggaccgtta ctctgcacat ggaccagaaa 600
aagtatatgg gaccttaagc tcaccttctt tacttgatc aaatgatgac tgggtatactg 660
gtctcccac cctttgcttg tggcaggaga tggcttaaat aaataactta aayttaaaaa 720
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaactn 780
ggggccg 787
```

<210> 480

<211> 731

<212> DNA

<213> Homo sapiens

<400> 480

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ctggggccct gactcaaaaa agtgggtttg accagagagg ccagatgga ggctgttcat 660
tccctgcagt gtcggcattg taaataaagc ctgagcactt gctgatgcga aaaaaaaaaa 720
aaaaaaaaa a 731
```

<210> 481

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 481

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ccccagtc ccccaaccgc gcgtggcggc gccggtccc tagccaccgs ggccccacce 180
tcttccggcc tcagctgtcc gggtgcttt cgcctccgcc tgtggatget gcgcctctcc 240
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```

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gagaacttca aactgaagca ctacgggcct ggctgggtga gcatggccaa cgcaggcaaa 660
gacaccaacg gctcccagtt cttcatcacg acagtcaaga cagcctggct agatggcaag 720
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ataaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg 1119

```

<210> 482

<211> 2056

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 482

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ggaggccacg ggcattgnatg cttcgggtcc tgggtggggc tgcctccct gccatgctac 180
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aagcaagaac atcacccaga tcgtgggcca cagcggtgtg gaggccaagt ccatccagaa 300
cagggcggtg ctaggacagt gcttcagcta cagcgtcccc aacaccttcc cacagtccac 360
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gctggagtgc ccgggccacg aggaggtgcc caggggtggc aagctgggtg agaagatcct 480
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aagggaagag tcttccaagg ccagaaggag ggggacaacc cccaagacc atccctgaag 1440
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aaamaggggg gggccc                                     2056
```

&lt;210&gt; 483

&lt;211&gt; 887

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 483

```
tgctacaaat aggaaggaat tgtaataatg atatttggcc tctactttgt cttagctgtt 60
aaactgtttt tagtattttt gttaaatatt tgcaaaggga agcattttct acagaggata 120
attaatttca agaaaaatat cttgagtttt aagaaataaa catctccaga aaaggagaaa 180
gtcgatttta taaaatgtcg caactctcca acatttgggg tagtgactcc ttttttgtaa 240
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atgtttcttt cactccattt tgaaatagct aaaaatcatt aaaactgtaa atattttgtt 360
gcttgggtaa gcatcttctg ggaactttgt atctatggta tataatcata gaattttata 420
ttttcatata aagctaattt ttttctagtt tcaactccgt catagtkttt tttccttttt 480
gtggtggata tgtgaattca actttctgtg tattgaagta gcaaaaacca tctttacatt 540
ccaaaagaat ccaacatgtg ttatttcttt gaggcagtga ttgtgaaagt tgggttttct 600
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tttttgatgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaa                                     887
```

&lt;210&gt; 484

&lt;211&gt; 1878

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1446)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 484

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gaagccgctc accgctcgaa gctgcgggag ctgaaactgc gccatcgtca ctgtcgggcg 180
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cagccgtggg aagtggtcac aggaagcagg cagccagcca ggaaggaggg cagaagcatg 300
ctaagaacaa cagtcaggcc aagccttctg cctgtgatgg cctggccagg cagccggaag 360
aggtggtatt gcaggcctct gtctcctcat accatctatt cagagacgta gctgaagtca 420
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gccccattc cctgagaatc ctgttgtag taaagtgctt atttttgtag ttaaaaaaaa 1860  
aaaaaaaaa aaaaaaaa 1878

&lt;210&gt; 485

&lt;211&gt; 1566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 485

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tcctttcatg gttataacac attggcagac tttttgctgg ctctgggagc catgatttta 180  
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aaaatt                                           1566

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&lt;210&gt; 486

&lt;211&gt; 3046

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 486

```

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ttacacttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 3046

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&lt;210&gt; 487

&lt;211&gt; 1904

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 487

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412

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tccaataaaa tgtacacccc tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1904

&lt;210&gt; 488

&lt;211&gt; 827

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (826)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 488

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaana 827

&lt;210&gt; 489

&lt;211&gt; 1926

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 489

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ggccgc 1926

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<210> 490

<211> 1461

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<400> 490

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aagtggccgt agcggcttgt tggataagtg gaagatagat gataagcctg taaaaattga 180
caagtgggat ggtacagctg tgaaaaactc tttggatgat tctgccaaaa aggtacttct 240
ggaaaaatac aaatatgtgg agaatttttg tctaattgat ggtgcctca ccatctgtac 300
aatctcctgt ttctttgcc aagtggcttt gatttgggat tatatgcacc ctttccaga 360
gtccaaaccc gttttggctt tgtgtgtcat atctatttt gtgatgatgg ggattctgac 420
catttatacc tcatataagg agaagagcat ctttctcgtg gccacagga aagatcctac 480
aggaatggat cctgatgata tttggcagct gtcctccagt cttaaaagg ttgatgacaa 540
atacaccttg aagctgacct tcatcagtgg gagaacaaag cagcagcggg aagccgagtt 600
caciaaagtc attgctaagt tttttgacca cagtgggaca ctggtcatgg atgcatatga 660

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ttatccctag gngggtattt a 1461

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&lt;210&gt; 491

&lt;211&gt; 805

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 491

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aatcaggcta ttgctatcct aatgtatgtc tctatgagtg tatttagcca cacatctgcc 360
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aagattgcta aaaaaatacca ctgcaaagtg atggaaaagg gtggagaaca ggggagtagc 480
caggctggat ggctcaaata taaatgaatg aggaattctt tatgaagtat cagtcagatt 540
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aaaaaaaaaa aaaaaaaaaa aaaaaa 805

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&lt;210&gt; 492

&lt;211&gt; 2269

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 492

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cgggcgccg cgcgcacaca ctcaggctga gcagaagagg agggacgcca tcaagagagg 180
ctatgatgac cttcagacca tcgtcccccac ttgccagcag caggacttct ccattggctc 240

```

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&lt;210&gt; 493

&lt;211&gt; 4108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 493

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<210> 494

<211> 2209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<400> 494

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gaccccatcc gggacccctt gagggatcct taccragaac ttgacattca ccggagagac 180
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<210> 495

<211> 1677

<212> DNA

<213> Homo sapiens

<400> 495

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<210> 496

<211> 1702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1691)

<223> n equals a,t,g, or c



<220>  
<221> misc feature  
<222> (1701)  
<223> n equals a,t,g, or c

<400> 496  
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<210> 497  
<211> 2376  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2376)  
<223> n equals a,t,g, or c

<400> 497  
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2376

<210> 498

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (840)

<223> n equals a,t,g, or c

<400> 498

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<210> 499

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<400> 499

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gctggattca gtaataaata tgtaaggcct ttcyttttta aaaaaaaaaa aaaaacyrr 420

422

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461

&lt;210&gt; 500

&lt;211&gt; 2782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2620)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2641)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2643)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2712)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2742)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2759)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2779)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 500

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gtcttttgga gtgaccagca actttgatgt ttgcactaag attttatttg gaatgcaaga 2220
gaggttgaaa gaggattcag tagtacacat acaactaatt tatttgaact atatgttgaa 2280
gacatctacc agtttctcca aatgcctttt taaaactca tcacagaaga ttggtgaaaa 2340
tgctgagtat gacacttttc ttcttgcatg catgtcagct acataaacag ttttgtacaa 2400
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acgtgcttag ttcagttcaa gttgctcctt tataatttgn ttttgatga aaaaagattg 2640
ngncatttgt ttaaagtcag aggattatct aaaagccagt tcccagtcata atttgatat 2700
aattggtagt gngaatactt ctccaaggac tattacttgg gnggttgag aatttattnt 2760
ggaagaaggc aaatgcttng gg 2782
```

<210> 501

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 501

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caaaattgtt aagaaatgtt agtggtgggt ctgatctgac tgcagccatc ggtaaataaa 120
agtttttgat cctgttgaac cgcctgaga cgggtctgtg aggggaaagc cttccgcacc 180
cacacaggaa ttctgtgag gtccccctc cttccggcca atggcagaag tgggggaaaa 240
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gtctcccttt agagccgtct tttgcaggga gcgggaagtg acaagagctc agatctccct 420
ccgatctcc ctcaccacct ccgaagtctc ctccgtggac cacagggtga tctttgtgcg 480
aacaacttgc atttcggaag ccactgtccg tctttaaaca gaaagtcgaa ggagccacga 540
agcaagcggc cgtccgggcg tccgyctgcc gtccccttcc atgttcctcc tcttccttcg 600
cttcagcctc ttctgttatg ttttgtcttg aattttatct agactttttc agtgggtatt 660
ttctgtctt ccaacctcta ctgtaaactt tctggtccga gaacgagccg aacacagcgc 720
gacgcaggga ctaggacggc ccggtgaccg cgcggattca ggattgctgg gacgcagaaa 780
ggttaaggca cttttaaaaa ctatagcaag gctcctgttt atttattcta ctttctttcc 840
ctaataatca aaacaccgcg taggctcctc cgtttatcag tattaatggt gtaactttgt 900
tggaatatatt tgccgtgtag aatttttttt agatatccat tgtaaatttg aaacaaagac 960
cgatctgtgt aaaaacaaat ttccatatgt tttatataaa tatatatata atatgaagga 1020
ctaccctcct tttttttttt gtattttggc tgctagagtg cagcatttgt gacacgtatt 1080
tgaaatttga aatttccttc tgcaactgtat aaaaggacca tttgaggatg ttttgccttt 1140
tgtgtatttt ttcttaaaaa aagaacaaaa ataaaaatgt ataacatttg tacatggcct 1200
ttaaaattgt atcaactaga aataaaattg catgagtatt ttaaaaaaa 1249
```

<210> 502

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1351)

<223> n equals a,t,g, or c

<400> 502

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cccgcaccct agccaggccc cagggagcct ccgctgggcc cagacagcag cgattyggtt 60
tatccacttt tctyggataa tcaggagggt cccagtsgt cacagtgtgg cattccgagt 120
tggggcgggg ggtcggggtca agatagcagc agcagggtgc agggctcaag acaccacccc 180
```

```

ctccagcttc tggggcccag gagcctctcc ctgctacagg ggggtgggggt cctgctcagc 240
agggtaggtg gtgggttttag gtcttgtcac cctcactcag tggaactgcc tctgggagct 300
ttggcgctcg tractaaagg gacgctggat tgctcaggtc agctgctcgg ggctcccagg 360
ctgggtgtgc cttagccaca ggcagggtcg tcaataaccc ccttcctcac tggccaccac 420
ctgacatcag caccagtgcg aggtctggta gagggcgggg ctgggtgaggg tttgtcctaa 480
gaggaccacc gccatctctg ggtctccagg gggagagcct ggccctgtcc tttgttacc 540
agggctgccc ccaggcccat gaagccaata ggagagcgtg tggcactggc ccacaaactg 600
tccctgtcct gtcttcctcc cgagccatgg cctctgctag ctccaccttg aaggagcccc 660
ccacatcctc ccctacatcc cagagatgcc accacttggt tctccacaat gtgctcctgc 720
ccaccgggtg tccgactgtg ccgaccctg caccactc atgtcaccac ggcgtgcac 780
atgttcaccc ccatctatct atttaagcct ttctttgctt gtagggcatt ttgtatgtag 840
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gaggctggag ggcaggaggg gatcactttg gagcccagg agattggagg gctggcagtg 1260
gagccatgga tccggcggac actggcactt ccagcctggg ggtggacggg tggagacttt 1320
tgttctccaa aaanaaaaaa aaaaaancnt nggagggc 1358

```

<210> 503

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<400> 503

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gcccacgcgt ccgacggctg cgagaagacg acagaagggg ctttctttct ttccgcgccg 60
atagcgctca cgcaagcatg gttaacgtcc ctaaaacccg ccgactttc tgtaagaagt 120
gtggcaagca ccaaccccat aaagtgcac agtacaagaa gggcaaggat tctctgtacg 180
cccagggaaa gcggcgttat gacaggaagc agagtggcta tgggtggcaa actaagccga 240
ttttccggaa aaaggctaaa actacaaaga agattgtgct aaggcttgag tgcgttgagc 300
ccaactgcag atctaagaga atgctggcta taaaagatg caagcatttt gaactgggag 360
gagataagaa gagaaagggc caagtgatcc agttctaagt gtcattttt attatgaaga 420
caataaaatc ttgagtttat gttcaaaaaa aaaaaanggg gggggcccg taccawtcg 480
cctatagggg gncgtttaa a 501

```

<210> 504

<211> 2011

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1941)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1961)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1974)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1976)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2002)  
<223> n equals a,t,g, or c

<400> 504  
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ataataataa taataataat aaataataat ggagagctcc ttgaagatag ggagcctgta 120  
agaatcattg agggcttatt ttgtatacca actgctaaac tagatgcttc atacattgtt 180  
gtcaatactc atgacagcct tgtaaagtag aaawtaattc ttccagttaa cackaaggct 240  
gacatatgaa taccttggca aatctggaaa gctgggaaga cagtaattga actcaagact 300  
tcttgtcacc aagggcattg acttgtactc tgccatgtgg scctttttta cctcctgtgg 360  
attctcccta cctggtactt ggccttaggt gtacacacac ctggcacttt gcttgacaca 420  
taataggttg accacaaata tctactaaat gaataattgc atataagtaat attttaagggt 480  
actaaaagca gctcaaagta aatattaata tattaattcc attgctatct ggataaccac 540  
tcaactttcc tgctgaaaat gccatttaa tttaagaagg ttggatagag ctctctatat 600  
gcatttttga caggcagggg tttcagggtca taaacattct gatgagttaa tataaaataa 660  
gagaaactgt aaatttccac tactaaaaat cacaaaaata acagaaacaa aagaagagat 720  
aagaatttgg ggaattgtgc tgaacaattt agtgggttaa aaaaacaact gtgcatgttt 780  
agacttaa at aagccccat ccaagtgtga ggggtccagt aatttttcaa aacatatgaa 840  
agtgttaata catttygaca aaggaccatt aaaaaagtcc tgaattctga cttgagggag 900  
gaaagtaatg actaatacat tctctagaga cttgcagact ttgggaattc ataaaggaat 960  
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aagtctctgg gtttgggatg gatcaattct gagactggaa aatggccaaa tctttgcaaa 1080  
tgagaaatat ttttcttata agttcttatt gtaggcaaat aattacatag attattcatc 1140  
agagaatttt taaatgtcca taatctcaac tctttcattt acaacttgta tttccaatag 1200  
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tgatccacca taatcaaaat aattaacatt tatccagtgc ctactatgta ctattccctg 1380  
tcctgtttta catttactca tttaaagtcc ataagaaaca ttaaacttca tctgccttct 1440



```

gaagaagata caaccatgct ctctttttaca aagtaggaaa ctgggtcaca gaaaggtgaa 1500
gtctttaagg ctgaatcaca gtagctcatc ctagtaaata gaaaagccag gattcaactc 1560
caggggctgg gtgcagaact gctattcttc actgcttcac caatcagcag ctaccaag 1620
cagaaaactt tttcatcctt ggctccttca ttctccctgt caccaccagat cccctctaca 1680
tctagtcaga gaatagggtcc tgtcaattcc aacttctcta tatggctcct ctcaggcatg 1740
tgcccttaat tggcctaatt ctctaataca ccttccctct acatgctcac tccctcagat 1800
cattgcttta tcacgkrtta cctgggttgc tattacataa agagcaatct ttctaaaatg 1860
agggatctta tcacttcact tccacactaa aatgtttttc ctgggggaac cacacttcct 1920
tagcaatctg acccatcaga nctttccagg ctgtctcctg nctggttccc taangntccc 1980
agccaacacc ggaattatca tngggcccaa a 2011

```

<210> 505

<211> 1989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1917)

<223> n equals a,t,g, or c

<400> 505

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ttcgtgctgc cgccactatg ctctccctcc gtgtcccgct cgcgcccatc acggaccgc 120
agcagctgca gctctcgccg ctgaaggggc tcagcttggg cgacaaggag aacacgccgc 180
cggccctgag cgggaccgc gtcctggcca gcaagaccgc gaggaggatc ttccaggagc 240
ccacggagcc gaaaactaaa gcagctgccc ccggcggtgga ggatgagccg ctgctgagag 300
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agaaggcaga ggcttccttt tggaccgccc aggaggtgga cctctccaag gacattcagc 420
actgggaatc cctgaaaccc gaggagagat attttatatc ccatgttctg gctttctttg 480
cagcaagcga tggcatagta aatgaaaact tggtaggagc atttagccaa gaagttcaga 540
ttacagaagc ccgctgtttc tatggcttcc aaattgccat ggaaaacata cattctgaaa 600
tgtatagtct tcttattgac acttacataa aagatcccaa agaaagggaa tttctcttca 660
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gggacaaaga ggctacctat ggtgaacgtg ttgtagcctt tgctgcagtg gaaggcattt 780
tcttttccgg ttcttttgcg tcgatattct ggtcaagaa acgaggactg atgcctggcc 840
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tgatgttcaa acacctggtg cacaaccat cgaggagag agtaagagaa ataattatca 960
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agttaaaaga tgcagcctca ctgcttcaac gcagatttta atgtttactt aaatataaac 1620
ctggcacttt acaaaacaaat aaacattgtt tgtactcaca aggcgataat agcttgattt 1680
atttgggttc tacacaaat acattctcct gaccactaat gggagccaat tcacaattca 1740

```

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ctaagtgact aaagtaagtt aaacttggtg agactaagca tgtaattttt aagttttatt 1800
ttaatgaatt aaaatatttg ttaaccaact tttaaagtcag tcctgtgtat acctagatat 1860
tagtcagttg gtgccagata gaagacaggt tgtgttttta tcctgtggct tgtgtantgt 1920
cctgggattc tctgcccccy ctgagtarag tgttgtgggr taaaggaatc tytcaggggc 1980
agggggcctt                                     1989
```

<210> 506

<211> 1085

<212> DNA

<213> Homo sapiens

<400> 506

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gggcgtggcg gcgctgtgcy cgtgcacaaa agagagctga ggggcggggg cgctgcggca 60
cagctggttt gagcaactga actggaaaca agatgcagga cccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaatttg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattyggaga agttttggag atctcaggga aggattatgt tcaagaagtt accaaagctg 420
gcgaggggctt gtgggtcatc ttgcacctt acaaacaagg aattcccctc tgtgccctga 480
taaatcagca cctcagtgga cttgccagga agtttctga tgtcaaattt atcaaagcca 540
tttcaacaac ctgcataccc aattatcctg ataggaatct gccacgata tttgtttacc 600
tggaaggaga tatcaaggct cagtttattg gtcctctggt gtttgccggc atgaacctga 660
caagagatga gttggaatgg aaactgtctg aatctggagc aattatgaca gacctggagg 720
aaaaccctaa gaagccgatt gaagacgtgt tgctgtcctc agtgcggcgc tctgtcctca 780
tgaagaggga cagcgattcc gagggtgact gaggtacag cttctatcac atgccgaact 840
ttcttgtgac aaattgtctg gattttttaa aaaaggaaaa agcaagaatg aatccttgtg 900
gttttttagt ttgtataaat tatgtttcaa atctttacat tttggaaata atcattgctg 960
gagattctgt taaatatttt ggaactctt tttttttaa ttatagtatt tcctctaaaa 1020
aaaattaaaa ccagccattt gtatggcaaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 1080
aaaaa                                           1085
```

<210> 507

<211> 1485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1476)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1485)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 507

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cgccgcccgt gcctttcctc ttctctctyc tctctcttgg catccgcctc ttcttcctcc 60
tgcgtcctcc cccgtgcct cgcgtgctcc cgacgaggag cccggagccc gcgccgagcc 120
cctggcctcg cgggtccatg ctgccccggc ggcggcgctg aaggatggcg acgccgctgc 180
ctccgcctc cccgcggcac ctgcggctgc tgcggctgct gctctccggc ctgcctcctg 240
gcgcgcgcct gcgtggagcc gccgcgggcc acccgatgt agccgcctgt cccgggagcc 300
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caggcggggg cgggccccag cccagactgg aagatgagat tgacttcctg gccaggagc 480
ttgccggaa ggagtctgga cactcaactc cgccctacc caaggaccga cagcggtcc 540
cggagcctgc caccctgggc ttctcgcan gggggcagg gctggakctg ggcctccct 600
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tgctgatcct ggcgttctgt gtggccggtg cagccgcct ctccgtagcc tccctctgt 780
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cggagatgta ccactaccag caccaacggc aacagatgct gtgcctggag cggcataaag 960
agccacccaa ggagctggac acggcctcct cggatgagga gaatgaggac ggagacttca 1020
cgggtgtacga gtgcccgggc ctggccccga cgggggaaat ggaggtgcgc aacctctgt 1080
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cctgggtccc tgcacctctc ctgttygggt tagaccccc aactggaggg ggcattggaga 1380
accgtagagc gcaggaaacg gtgggtaatt ctagagacaa aagccaatta aagtccattt 1440
cagacctgcg gaaaaaaaaa aaaaaaaaaa aaacnnnggg ggggn 1485
```

&lt;210&gt; 508

&lt;211&gt; 1930

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 508

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atttttagtaa acttttagac aaaatttgn aaaatgctga catcatttat aatccttcat 60
ttattttgtaa aaagatgagg acacacatta artgawgtca gcatttttagt aaacttttag 120
acaaaatttg ttagggtcat tcatgaaaac tttaatacta aaagcacttt ccattatata 180
ctttttaaag gtctagataa ttttgaacca atttattatt gtgtactgag gagaaataat 240
gtatagtaga ggacagcctt ggtttgtaaa gctcagttcc actagtcat ggttttgtgc 300
aacttctgag cctcagtttt ctcttttgca aattaataat tacatacctt tatagatttt 360
gaaattaatt taaatattag tatttggtag atgaaggctt aatgttaagt ttcctttaat 420
```

```
gatccacaat aatccctttg atcacgttaa tctaaatcta gatgtctttg tctaattttt 480
tttgaatagc agttataaat gtaaaaggact caaagtttta gtaaaaagtg atactccacc 540
ttgtgtttca aagaatttag ttccacctct tcataccagt ttaacactta atatatattca 600
ttggatttta gacagggcaa aaggaagaac aggggcctct ggaggccctt ggttatttaa 660
atcttggatt atttgtgata gtaatcacaa atttttggct aatttttaac ctgaggtttt 720
gttttttttt taaaggaaat gcagcctagt cttgagaaca taattttata taatcaatta 780
ctaaatgtta aactattacc acacagccca taaaacagca tttgcgttta ttgagagaga 840
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gagtaccga cccgttgcca tgattaagag agaatgcttt ctattggagt ttcaggaaat 1680
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gccatacatg ttaatatctt acattcttgc ttccttaaat taatatgttt gtgtgtatat 1860
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<210> 509

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1041)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1064)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 509

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&lt;210&gt; 510

&lt;211&gt; 1382

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 510

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cc 1382

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<210> 511

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1696)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1715)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1717)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1720)

<223> n equals a,t,g, or c

<400> 511

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tgtacttgct cagctcaact gcatttcagt tgtattatag tccagttcct atcaacatta 180
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c 1741
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<210> 512

<211> 1530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<400> 512

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cggcagtgag ggcggccggg cccctaagcg gctcaagact gacaacgccg gcgaccagca 180
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cgtgaacagt gtgcttctct ttaccatcct gaacccatt tattcgatca ccacggatgt 600  
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<210> 513

<211> 2999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2996)

<223> n equals a,t,g, or c

<400> 513

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&lt;210&gt; 514

&lt;211&gt; 2048

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 514

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ggactttata tgttcaagtg caggaattgg aaagtggac ttgttttcta tgatccaaaa 180
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<210> 515

<211> 3300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

&lt;400&gt; 515

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cacatttcct tctacacaga attatcttca gagcttctta aagcaaataa agcctgcttc 240
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<210> 516

<211> 3425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 516

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gagcagttcc acccaataac tctaattgcag cggaagatga cctgcccaca gtggagcttc 180
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aagaaaagaga agagtatgtc ctgaatgaca tcggggtaat tttttatgga gaggtcaatg 300
acatcaagac cagaagctgg agctatggtc agtttgaaga tggcatcctg gacacttgcc 360
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gccgtgtggg gtctgcaatg gtgaatgcca aagatgacga aggtgtcctc gttggatcct 480
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tactttacaa attccaagaa ggtcaagaag aagagagatt ggccctagaa actgccctga 1140
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```
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ataagagtaa cagtcacatc ttatcatcac aaatgggtac atctccaaat atcagtgggc 2160
tctcttacca gggagatttg ctcaatacct ggcctcattt aaaacaagac ttcagattcc 2220
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acagcatttg ccaagtctcc caatatccaa ttttaaaatg aaatgcattt tgctagacag 3300
ttaaactggc ttaacttagt atattattat taattacaat gtaatagaag cttaaaataa 3360
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ggggc 3425
```

<210> 517

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1356)

<223> n equals a,t,g, or c

<400> 517

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ttagggtaac tttcctatat tgagcccatg ggttacaagg atttgcaata tattgttcca 120
tttacagcca atacaggttt aatcgatgtt caatattggt ttaggaaatt taaggccttc 180
taaatacata tagctctttc atgtctaaaa ccattttatg atattgcaa aatgtgatag 240
gaaacctact cattaaattg ttaaactttt taatgactat gtgaagatat gaattgttcc 300
ctgaagataa tactcttaat tgagttgtat tgtacttctt aggcaggca gtgtaaaact 360
gtatcaatta aggcttgtga gtagtgattt ccaactgggc atcagagtct tggctgggct 420
gaatctgtct cttgttggtt cagtgtttct tatgaacaag agccacagta cagagcttca 480
agttatttaa aataactaagt catcttacgt ttccatttta ttaacgggat gttgcaatcg 540
```

440

```
tttgtaaact aataaactta taaagtgatt ggcacaaaga ctccttgagc aaaagctgtg 600
cagttaagta caaaaagata ctttaatttg agactcttac agtaattttt gccatgtcaa 660
aacaatggct tttacattga aagattaata gaaactctac atatgttaat ttttttatag 720
aacctgactc aaatcaaggt actctccatt ttattgcctt acctgaatca gtcctttttg 780
gttggttaata gattttttta tacaccacag tttgatttaa aagtaaattc tagttcttaa 840
gcacttttaa caagaaatcc agaagcacat tttctgcac aaacaagtta caaagttcaa 900
aagtgtttct tgtgcattag ctttgagatt cagtttttta ctttgtaaac cacatctgag 960
agacttgtca tttctacatt gtgtgtgttt aatttctttt gattccattt tgggtaagag 1020
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atttggcaat gtacagtaaa ttttgtaaac ttgcatcaag tttatgaata aagaaccatt 1320
taaaaaaaaa aaaaaaaaaa aaaagnagga aagaanag 1358
```

&lt;210&gt; 518

&lt;211&gt; 1368

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1225)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1333)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1347)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 518

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gcggattgca acacatgcag ctgcctggag agagggagcc ggtgtcctac gtcagagccg 60
ccgccgccgc ggagccgccg ccggggagga gcagccgctg ccgccagga ctgggccctt 120
agggaggagg aggcgagaag atggcggacg accccagtg tgcgacagg aacgtggaga 180
tctggaagat caagaagctc attaagagct tggaggcggc ccgcggcaat ggcaccagca 240
tgatatcatt gatattcctt cccaaagacc agatttcacg agtggcaaaa atgttagcgg 300
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```

atgagtttgg aactgcatct aacattaagt cacgagtaaa cgcctttca gtcctgggag 360
ccattacatc tgtacaacaa agactcaaac ttataacaa agtacctcca aatgggtctgg 420
ttgtatactg tggaacaatt gtaacagaag aaggaaaagg aaagaaagtc aacattgact 480
ttgaaccttt caaaccaatt aatacgtcac tgtatttgtg tgacaacaaa ttccatacag 540
aggctcttac agcactactt tcagatgata gcaagtttgg attcattgta atagatggta 600
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tggtatctccc aaagaaacac ggtagaggag gtcagtcagc cttgcgtttt gcccgtttaa 720
gaatggaaaa gcgacataac tatgttcgga aagtagcaga gactgctgtg cagctgttta 780
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caattaattc ccnanaaagg ggtcaanttt ggaaaagaat tgggggaa 1368

```

&lt;210&gt; 519

&lt;211&gt; 933

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 519

```

ccacgcgtcc gcggacgcgt gggcggacgc gtgggtggca ggatcagatt ttattaagac 60
ctctactgga aaagaaacag taaatgccac cttcccggta gctatagtaa tgctgcgggc 120
cattagagat ttcttctgga aaactggaaa caagataggg tttaaaccag caggaggcat 180
ccgcagtgca aaggattccc ttgcttggct ctctcttgta aaggaggagc ttggagatga 240
gtggctgaag ccagaactct ttcgaatagg tgccagtact ctgctctcgg acattgagag 300
gcagatttac catcatgtga ctggaagata tgcagcttat catgatcttc caatgtctta 360
aatcagtcac cagtccaga aaagtctctt acgacaatgt ttaaaaatta tttttctacg 420
taattgctaa aattatttaa ttaaaaaatt gggcagtagg taactggcat tcctctcttt 480
aaaatttcta ccgaacttaa tggaatggaa aaagcaaact catccacatg tggactcat 540
ttcaggcaca tctgaaatga tcttaattac tagaagatct gcactattaa ctttgtgaag 600
agtttctcct aaaaacttta agtaaatgt taatggtagc tttgataaca tcaaattcta 660
agggagaaaa aaacaatatt aaaccgcca agcagtgtgc cctagcagag gaaaatgcaa 720
catctcgcaa gcgtgctgt aacgacttca ggagtcactg attcagcact aatttcctgc 780
tgtgaaaact catctttcat ttttgccgtg gataggcgtt tttattaatt gttgtcctaa 840
tgaaatttct gacattgtca tatacaacga tgaatatcat taaaattttt aaaataaaaa 900
aaaaaaaaaa aaaaactcgc agggggggcc cgg 933

```

&lt;210&gt; 520

&lt;211&gt; 1430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

442

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1428)  
<223> n equals a,t,g, or c

<400> 520  
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tcacgcagga tagtaattat ttgttaaccg ggggacagga taaactgtta cgcataatag 180  
acttgaacaa acctgaagca gaacctaagg aaattagtggt tcatacttct ggtataaaaa 240  
aagctctgtg gtgcagttag gataaacaga ttctttctgc tgatgacaaa actgttcgac 300  
tttgggatca tgctactatg acagaagtga aatctctaaa ttttaatatg tctgttagta 360  
gtatggaata tattcctgag ggagagattt tgggtataac ttatggacga tctattgctt 420  
ttcatagtgc agtaagttag gaccaatta aatcctttga agctcctgca accatcaatt 480  
ctgcattctt tcattcctgag aaagaatttc ttgttgacag cggggaagat tttaaacttt 540  
ataagtatga ttataatagt ggagaagaat tagaatccta caaggacac tttggtccta 600  
ttcactgtgt gagatttagt cctgatggag aactctatgc cagtgggtca gaagatggaa 660  
cattgagact atggcaaaact gtggtaggaa aaacgtatgg cctttggaaa tgtgtgcttc 720  
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aggagctaga agaaattgct tcagagaatt cagattgcat ctttccttca gtcctgatg 840  
ttaaggcctg agcgtcaatc atatgttgca gttagtatac aactgactaa aacaagcaag 900  
cagagaaaag catcagcctt ccagagttac tgtctgctta aggcagaaac agcagtaaat 960  
aatgaggaaa atgaattagc tccagtgtgt gaacaactaa ctaacttggg gttacctgta 1020  
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tggtatcttt ttaatgaata tatacaagcc aacatccaat ttctattatt acaattaggg 1140  
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cttaaagcag aatgcctttt ctttttttgc ttcagttgta aagaagaggg aatacatgat 1260  
aaagtaactg gtttgatttc tcgttcattg tacactgcct ctgaacatct aattgttttt 1320  
agttgtctaa ataaaatgcc tctaaaacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1430

<210> 521  
<211> 1169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1166)  
<223> n equals a,t,g, or c



&lt;400&gt; 521

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gagggggcct tggtgaccgt ggtggtcgtg gaggccgagg gggctttggc gggggccgag 180
gtcgaggcgg aggcctttaga ggtcgtggac gaggaggagg tggaggcggc ggcggcggg 240
gaggaggagg aagagggtgt ggaggcttcc attctggtgg caaccggggg cgtggtcggg 300
gaggaaaaag aggaaaccag tcggggaaga atgtgatggt ggagccgcat cggcatgagg 360
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aatcagttta tggagagaag agagtctcga tttcggaagg agatgacaaa attgagtacc 480
gagcctggaa ccccttcgcg tccaagctag cagcagcaat cctgggtggt gtggaccaga 540
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cccattgctc tgacatcggt ggtccggatg gtctagtcta tgcagtcgag ttctcccacc 660
gctctggcgg tgacctcatt aacttgcca agaagaggac caacatcatt cctgtgatcg 720
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gtaatggagg aactttgtg atttccatta aggccaactg cattgactcc acagcctcag 900
ccgaggccgt gtttgccctc gaagtgaaaa agatgcaaca ggagaacatg aagccgcagg 960
agcagttgac ccttgagcca tatgaaagag accatgccgt ggtcgtggga gtgtacaggc 1020
caccceccaa ggtgaagaac tgaagttcag cgctgtcagg attgcgagag atgtgtgttg 1080
atactgttgc acgtgtgttt ttctattaaa agactcatcc gtcaaaaaaa aaaaaaaaaa 1140
arggggggccc gctaggggnt ccaagntta 1169
```

&lt;210&gt; 522

&lt;211&gt; 2162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (169)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2139)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 522

```
gccggggcgc gagaagtcgg ggccggcgcc agagaggccg ggacgcggac cgggccgggg 60
cgccacacag cgcccgacgg cgccagaga gcgcgcgccc cgcagccccg cgcctagccc 120
```

444

```
gccgggcatg gggcgcgcg gaggccgctga agccccggcc tggccccgnc gcacccggcc 180
ggaggcgag ggcagagcgc gcgccagtt gcccgggcac caaatcgag cgcgcggtgc 240
gggaggggcc agagcaggac tggaaatgtc ctggccgcgc cgctcctgc tcagatacct 300
gttcccggcc ctctgcttc acgggctggg agagggttct gccctccttc atccagacag 360
caggtctcat cctaggtcct tagagaaaag tgcttgagg gcttttaagg agtcacagt 420
ccatcacatg ctcaaaccatc tccacaatgg tgcaaggatc acagtgcaga tgccacctac 480
aatcgagggc cactgggtct ccacaggctg tgaagtaagg tcaggcccag agttcatcac 540
aaggtcctac agattctacc acaataacac cttcaaggcc taccaatttt attatggcag 600
caaccgggtg acaaatccca cttatactct catcatccgg ggcaagatcc gcctccgcca 660
ggctcctg atcatccgag ggggcacgga agccgactac cagctgcaca acgtccagg 720
gatctgccac acagaggcgg tggccgagaa gctcgccag caggtgaacc gcacatgcc 780
gggtctctc gcagacgggg gtccctgggt gcaggacgtg gcctatgacc tctggcgaga 840
ggagaacggc tgtgagtga ccaaggccgt gaactttgcc atgcatgaac ttcagctcat 900
ccgggtggag aagcagtacc ttcaccacaa cctcgaccac ctggtcgagg agctcttct 960
tggtgacatt cacactgatg ccaccagag gatgttctac cggccctcca gttaccagcc 1020
ccctctgcag aatgccaaaga accacgacca tgctgcac gcctgtsgga tcattctatc 1080
gtcagacgag caccaccctc ccactcctgc cccaaaggca gacctgacca tcggcctgca 1140
cggggagtgg gtgagccagc gctgtgagg ggcgccgaa gtctcttcc tcaccgcca 1200
cttcactctc catgacaaca acaacacctg ggagggccac tactaccact actcagacc 1260
ggtgtgcaag caccacacct tctccatcta cgccggggc cgctacagcc gcggcgtcct 1320
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ccccatggat gcggccacag cctcactgct caacgtcttc aacgggaatg agtgcggggc 1440
cgagggtctc tggcaggtgg gcatccagca ggatgtgacc cacaccaatg gctgcgtggc 1500
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ggggcgctat ctgctgttca acggtcagag gccagcgac gggccagcc cagacaggcc 1620
agagaagaga gccacgtcct accagatgcc cttggtccag tgtgcctcct cttcgccgag 1680
ggcagaggac ctygcagaag acagtggaag cagcctgtat ggccggggcc ctgggaggca 1740
cacctggtcc ctgctgctgg ctgcacttgc ctgycttgc cctctgctgc attggaacat 1800
ccgcagatag aagttttaga aagttctatt tttccaaacc aggattcctt actattgaca 1860
gatttkcttt accaaaagaa aagacattta ttcttttgat gcaattgaat gccagagaac 1920
tgtccttctt tttctcctct ccctccctcc cagcccctga gtcattgaaca gcaaggagt 1980
tttgaagttt ctgctttgaa ctccgtccag cctgatccct ggccctgagca acttcacaac 2040
agtaattgca ctttaagaca gcctagagtt ctggacgagc gtgtttggta gcagggatga 2100
aagctaccww atttttttct cttrattatt tgnacnaant tgagtagaag ttatttccct 2160
tt
```

&lt;210&gt; 523

&lt;211&gt; 799

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (758)

&lt;223&gt; n equals a,t,g, or c

445

&lt;400&gt; 523

```
tctctctccc tctcttcctt cccctgccc caaaactaaa gtaaaataac gttaactgcc 60
cgtttttctg taaccagcag accttatcta tactcccaat tccaattcct tgtaaacata 120
ctttgttaaag tcctgtaaga tcctgtctcc ttgccatga cgctgcaagg tcataaagta 180
gataaaacct aagttgcaat tccggttttc ctcaagatct aagacatgtt acaaatggtt 240
aattgccttt gtttctcgct ttggtaacat cttccgcct caggatatttc ccgccttgaa 300
gagtttaaaa ggcaatccta taatctaact ctggctaccc attctggacc ccctccatgc 360
tttgggaagct ttgtactttc actctgctca ataaagcctr cagctttttc tctctctcag 420
tccatgtctc tttcactcac tngggtcagc ttccacacca tttctttggt gtggcttggc 480
aagaacctca ggtgttacat cttggcgagc cagacaggag actccagaaa aggatcaaaag 540
ccatcaagct acaaatratc ttacaaatgg aacctcaaat gagctcagct cacggcttct 600
accgaggacc cctggwtcaa cccgctggtc cctcaattac cctagaaaat tcccctctgg 660
aggacaccaa actgcagggc cccttytca cccctaacca gcaggaagta gccagaacgg 720
actgccacam ggttcccaac agcarttkgg ggtgtcngt ttagaggca ggatttagag 780
gaggtgcccc attgggttt 799
```

&lt;210&gt; 524

&lt;211&gt; 1722

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 524

```
ttccacgcgt ttnagagaag ggaactccca cagcanaggn cataaaacca tccagggcag 60
tctggggcgg ctcagttctg cgggtccagg gagtggagca gagctcagcc ccgtcccaa 120
yacagatggg accatgaact ccggacacag cttcagccag accccctcgg cctccttcca 180
tggcgcggga ggtggctggg gccggcccag gagcttcccc agggctccca ccgtccatgg 240
cggtgccccg ggagcccga tctccctgtc cttcaccacg cggagctgcc caccctctgg 300
agggctcttg ggttctggaa gaagcagccc cctactaggc ggaaatggga aggccaccat 360
gcagaatctc aacgaccgcc tggcctccta cctggagaag gtctcgcccc tggaggaggc 420
caacatgaag ctggaaagcc gcatcctgaa atggcaccag cagagagatc ctggcagtaa 480
gaaagattat tcccagtatg aggaaaacat cacacacctg caggagcaga tagtggatgg 540
taagatgacc aatgctcaga ttattcttct cattgacaat gccaggatgg cagtggatga 600
yttcaacctc aagwtgaaa atgaacactc ctttaaaaaa gacttgaaa ttgaagtcsa 660
gggcctccga aggaccttag acaacctgac cattgtcaca acagacctag aacaggagg 720
ggaaggaatg aggaaagagc tcattctcat gaagaagcac catgagcagg aaatggagaa 780
gcatcatgtg ccaagtgact tcaatgtcaa tgtgaagggt gatacaggtc ccagggagaa 840
```

```

tctgattaag gtcctggagg atatgagaca agaatatgag cttataataa agaagaagca 900
tcgagacttg gacacttggt ataaagaaca gtctgcagcc atgtcccagg aggcagccag 960
tccagccact gtgcagagca gacaagggtga catccacgaa ctgaagcgca cattccaggc 1020
cctggagatt gacctgcagr cacagtacag cacgaaatct gctttggaaa acatgttatac 1080
cgagacccag tctcgktact cctgcaagct ccaggacatg caagagatca tctcccacta 1140
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gctgctgggc atcaaaaccc acctggagaa ggaaatcacc acgtaccgac ggctcctgga 1260
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ttatcagact cagaaacttt ttttttttt ttctgtaaca gtctcaccag actctcata 1560
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ctttctact gcagccttca gattctcatc attttgcac tattttgtag ccaataaaac 1680
tccgcactag caaaaaaaaa aaaaaaaaaa aaaaagtctg ac 1722

```

<210> 525

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<400> 525

```

tcccgggccc gagggcatca gacggcggct gattagctcc ggtttgcac acccgaccg 60
ggggattagc tccggtttgc atcaccgga ccgggggatt agctccggtt tgcatacccc 120
ggaccggggg ccgggcgcgc acgagactcg cagcgggaagt ggaggcggct ccgcgcgcgt 180
ccgctgctag gaccggggca gggctggagc tgggctggga tcccgagctc ggcagcagcg 240
cagcggggcg gccacactgc tgggtgccctg gargetctga gcccgggcgg cgcccgggcc 300
cacgcggaac gacggggcga gatgcgagcc acccctctgg ctgctcctgc gggttccctg 360
tccaggaaga agcggttgga gttggatgac aacttagata ccgagcgtcc cgtccagaaa 420
cgagctcgaa gtgggccccg gccagactg ccccccctgc tgttgcccct gagccacct 480
actgctccag atcgtgcaac tgctgtggsc actgntctcc gtyttnggsc ctatgtccty 540
ctkgaagccc gaagaanggc gg 562

```

<210> 526

<211> 2023

<212> DNA

447

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 526

```
aaagtgataa cncaactaat gggtgtggac ttgaatctyc aggaaatact gttacacctg 60
taaagttaa tgaagttaaa cccataaaca aaggtgaaga acaaattggg tttgagctag 120
tggagaaatt atttcaaggt cagctgggtat taaggacgcg ttgcttgga tgtgaaagtt 180
taacagaaag aagagaagat tttcaagaca tcagtgtgcc agtacaagaa gatgagcttt 240
ccaaagtaga ggagagttct gaaatttctc cagagccaaa aacagaaatg aagaccctga 300
gatgggcaat ttcacaattt gcttcagtag aaaggattgt aggagaagat aaatatttct 360
gtgaaaactg ccatcattat actgaagctg aacgaagtct tttgtttgac aaaatgcctg 420
aagttataac tattcatttg aagtgccttg ctgctagtgg tttggagttt gattgttatg 480
gtggtggact ttccaagatc aacactcctt tattgacacc tcttaaattg tctactagaag 540
aatggagcac aaagccaact aacgacagct atggattatt tgcggttgtg atgcatagtg 600
gcattacaat tagtagtggg cattacactg cttctgttaa agtcaactgac cttaacagtt 660
tagaactaga taaaggaaat tttgtggttg accaaatgtg tgaaataggt aagccagaac 720
cattgaatga ggaggaagca aggggtgtgg ttgagaatta taatgatgaa gaagtgtcaa 780
ttagagttgg tggaaataca cagccaagta aagttttgaa caaaaaaaat gtagaagcta 840
ttggacttct tggaggacaa aagagcaaag cagattatga gctatacaac aaagcctcta 900
atctgataa gggtgctagt acagcgtttg ctgaaaatag aaattctgag actagtgata 960
ctactgggac ccatgaatct gatagaaaca aggaatccag tgaccaaaca ggcattaata 1020
ttagtggtt tgagaacaaa atttcatacg tagtgcaaag cttaaaggag tatgagggga 1080
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agagtgagtg tattttcctt gtgtatata taaacacacc catacaaaca ttggtaaaagt 1260
tgattacatc aaagaatctt tagcttatct tttgaagcta ctggatatta ttggctctctc 1320
taggttttta tataaatagt gaaatytgaa ttactgaaaa ccatgttaat ttttagaact 1380
cattttcctc agtagagact agtgatgcat tagcttctgg gaacaaactt gtatcggttc 1440
ttaattaaat tatccaaaac ggaggcattt aaacacttgg atttacacca gtcttttgg 1500
tttgcttttt aaaataaagt gctcgtattt gtattctcca tattttggag taattatcta 1560
catgatgttt atagttcctg tgggttttca cccaagaagc agaattctcat tcagtacatt 1620
tagttttata agagtcatga agctaaatcc ttgggctatg tcagaggcac aaagtctaga 1680
atgtgtgtat tcacaatggg gtatgtacat tttgtgcctt gattcactta gaagtgtctc 1740
agaaaacctg gacagttcgc ttctacacaa gaattttata tgtattttatg aagatgattc 1800
tgtaccctag tatatctttt tgggcatgga ctaatttgta tctgtttaac tcatattctg 1860
cacgatctgt atatagtaca tcaaacttag aggtgtgacc ttaaatttaa ctttttttaa 1920
aaactgggag gtcaataaaa tttaaactgc ttaactatgt atatgaatat ttgaattttt 1980
tacttgtata tttttataaa tacagctgag ttttcttaaa gcg 2023
```

&lt;210&gt; 527

&lt;211&gt; 2847

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2842)

<223> n equals a,t,g, or c

<400> 527

```
ggcacagggt attctgtgtc ttctcatagta gaaaccttaa tgatcggctc gttgtagtga 60
actctttaa aaggcgctat agaaaaccaa ttcttgagta aaccagcaga cagcatgact 120
tgtaaatggc cttttaatta attaaaaaga aattagtcag ctacaagcat gaacatgtgg 180
aacgcttacc ttgtactag gcgtttttgt ttgtgtttta atggcttttg gaatattata 240
gtattaacat ctggaaaact aggtaaattt atcttagaat taagtntttn gctccttttt 300
tgcagaaaaa gaacagcaag aagcgattga acacattgat gaagtacaaa atgaaataga 360
cagacttaat gaacaagcca gtgaggagat ttgaaagta gaacagaaat ataacaaact 420
ccgccaacca ttttttcaga agaggtcaga attgatcgcc aaaatcccaa atttttgggt 480
aacaacattt gtcaaccatc cacaagtgtc tgacttgctt ggggaggaag atgaagaggc 540
actgcattat ttgaccagag ttgaagtga agaatgtga gatattaaat cagggttacag 600
aatagatttt tattttgatg aaaatcctta ctttgaaaat aaagtctctt ccaaagaatt 660
tcatctgaat gagagtgggt atccatcttc gaagtccacc gaaatcaaat ggaaatctgg 720
aaaggatttg acgaaacgtt cgagtcaaac gcagaataaa gccagcagga agaggcagca 780
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gttaggagag gtcacaaaag atgatatttg gccaaaccca ttacagtact acttggttcc 900
cgatatggat gatgaagaag gagaaggaga agaagatgat gatgatgatg aagaggagga 960
aggattagaa gatattgacg aagaagggga tgaggatgaa ggtgaagaag atgaagatga 1020
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gattccaacc ttcctttttt taaattttct ccagtccctg ggagcaagtt gcagtccttt 1140
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ctactccatg gttctcaatt tatttggggg gaaatacctt gagcagaata caatgggaaa 1260
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ctccttttct ctgtatatgt ggctcagaga gtacactgtg tctctatgtg aatatggaca 1500
gttagcattt accaaccatg atctgtctac tttctcttgt ttaaaaaaag aaaaaaaac 1560
ttaaaaaat ggggttatag aaggtcagca aagggtgggt ttgagatgtt tgggtgggtt 1620
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tctattgtaa tttgttccct gtttattttt aaattttctt ttgttttcac tggaaaggaa 1860
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gtattaatat ctccatagct gggaaacgtg ggttcaattt gccattgggt tctgaaagta 2160
ttcacatcat ttgggatacc agatagctca atactctctg agtacattgt gcccttgatt 2220
tttatctcca agtggcagtt tttaaaattg gccttttacc tggatataaa ttaattgtgc 2280
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449

```
ctgccaccac catccaacag acctggtgct ctaatgccaa gttatacacg ggacagttgc 2340
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ctgatggtga gcagtaactg tccctgcttt ctggtataaa gctctcaaat gtgaccatgt 2460
gaatctgggt gggataatgg actcagctct gtctgctcaa tgccatttg cagagaagca 2520
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atgtaatttc tgcacaggtc tctgtttagt aaatacatca ctgtataaccg atcaggaatc 2760
ttgctccaat aaaggaacat aaagatttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2820
aaaaaaaaaa aaaaaaaaaa anaaaaa 2847
```

&lt;210&gt; 528

&lt;211&gt; 816

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 528

```
aaaaacgantg tgtaattaac anaggctgtg cgcataaacg ttgccgttat gggtcgcgaa 60
ttttcccccg cgcccaatgc gagggagacg aaantatgta aatgagtgga ttctggctga 120
gctatcctat tggctatcgg gacaaaattt gcttgagcca atccaaagtg ctccgtggac 180
aatcgccgtt ctgtctataa aaaggtgaag cagcggcggt ttccggcgact ttcccgatcg 240
ccaggcagga gtttctctcg gtgactacta tcgctgtcat gtctggtcgt ggcaagcaag 300
gaggcaaggc ccgcgccaaag gccaaagtcg ctcgtccccg cgctggcctt cagttccccg 360
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ccgtctacat ggctgcggtc ctcgagtatc tgaccgccga gatcctggag ctggcgggca 480
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gcaacgacga ggaactgaac aagctgctgg gcaaagtcac catcgcccag ggcggcgtct 600
tgctaatacat ccaggccgta ctgctcccta agaagacgga gagtcaccac aaggcaagg 660
gcaagtgagg ctgacgtccg cccaagtggc ccagcccggc ccgcgtctcg aaggggcacc 720
tgtgaactca aaaggctctt ttcagagcca cccacgtttt caaataaaag agttgttaat 780
gctggcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 816
```

&lt;210&gt; 529

&lt;211&gt; 885

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

450

&lt;400&gt; 529

```
ggcagttacc ggtgccgtaa ttcccgggtc ggacccacgc gctctgtcgt ggcgcggctt 60
ccccgggtct tctctgcaaa tgggctccgt ggcctagcgc ccccgtoccc gccacccgtg 120
atcgtgcgcc gagggccgcg aggggtcgcc gccagatcc caccagccag caagctaaag 180
catggcggcc atcccctcca gcggctcgct cgtggccacc cagcactact accggcgccg 240
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tccccacccc ccaggtctcc ccaaggctga cccgggtcat tgggtggcca gcttcttttt 360
cgggaagtcc accctcccgt tcatggccac ggtgttgag tccgcagagc actcggaacc 420
tccccaggcc tccagcagca tgaccgcctg tggcctggct cgggacgccc cgaggaagca 480
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accagcccca ggctgcgga ggcgctagtc caccagagcc cctyccccgc cctctcccca 600
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cagcaagcag accttcgcat caacacagca gacacacaaa accagtgaga gccccgctct 720
ctaccgcccg gcccagcac tcgctagctt tcctgacacc tggaactgtg cacctggcac 780
caagcggaata ataaactcca agcagccagt agccccgatg gtgtgtgcct gagctgtgtg 840
gcccgagggt ccaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 885
```

&lt;210&gt; 530

&lt;211&gt; 742

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (693)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (695)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (715)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (741)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 530

```
ggtacctgac agtaccgggc ggaattcccc ggtcgaccca cgcgtccgct gctgctctta 60
aaggtagcagg cctcagggtc cctgctgtag acggggcggg ggagagtacg atgggtgggg 120
```



```

cgtgggtgggt cgtagggcgc tcgagatgga gccccagct tccttgatgg atcgcggggc 180
gcgagtgcc tagacaagcc ggagctggga ccggcaatcg ggcgttgatc cttgtcacct 240
tcgcagacc ctcatccctc ccgtgggagc cccctttgga cactctatga ccctggaccc 300
tcggggggacc tgaacttgat gcgatgggag gctgtgcagg ctgcgggcgg cgcttttcgg 360
attccgaggg ggaggagacc gtcccggagc ccgggtccc tctgttgga catcaggcg 420
cgcatggaa gaacgcggtg ggcttctggc tgctgggcct ttgcaacaac ttctcttatg 480
tggtgatgct gagtgccgcc cagcacatcc ttagccacaa gaggacatcg ggaaaccaga 540
gccatgtgga ccagggccca acgccgatcc cccacaacag ctcatcacga ttgactgca 600
actctgtctc tacggctgct gtgctcctgg cggacatcct cccacactc gtcacaaat 660
tgttggstyc tyttggsctt cacctgctgc ccntnaccgt tgaggatgct gtgantctct 720
gtgctttatn ggggacagct ng 742

```

<210> 531

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 531

```

gtcggcattc ccgggtcgac ccacgcgtcc gggcccgttt ccggcggcgt cgcgcgtttg 60
cgarcctcgg gtgttcctca gggaggggtct ctcggccaga acacgtggat gccacccac 120
cactgagcct catggaggtg gtaacatttg gcgatgtggc tgtgcacttc tctcgggagg 180
agtggcagtg tctggaccct ggccagaggg ccctctacag ggaagtgatg ctggagaacc 240
acagcagtgt ggctggacta gcaggattcc tggttttcaa gcctgagctg atctctcggc 300
tggagcaggg agaagagcca tgggtcctcg acctgcargg agcagagggg acagaggcac 360
caargacctc caagacaggt gaggcttaga tcccatcgca gagaagccct ggggtgarga 420
gaaactkcar gaggggctca caactgtrgg tagctgtagg tgartcgagg gggctacact 480
kggatgcctg ggaatgctac tnggggaaan cagcatccaa canct 525

```

<210> 532

<211> 1925

<212> DNA

<213> Homo sapiens

<400> 532

```

gtggtctgag gccggtacag ctgcgcgtct gggggaatag gtgcagcggg cccttgggcg 60
gggactctga gggaggagct ggggacggcg accctaggag agttcttttg ggtgactttc 120

```

```

aagatggact ctactctaac agcaagtga atccggcagc gatttataga tttcttcaag 180
aggaacgagc atacgtatgt tctctcgtct gccaccatcc cattggatga cccactttg 240
ctctttgcca atgcaggcat gaaccagttt aaacccattt tcttgaacac aattgaccca 300
tctcacccca tggcaaaagct gagcagagct gccaataccc agaagtgcac ccgggctggg 360
ggcaaacata atgacctgga cgatgtgggc aaggatgtct atcatcacac cttcttcgag 420
atgctgggct cttgggtctt tggagattac ttaaggaat tggcatgtaa gatggctctg 480
gaactcctca cccaagagtt tggcattccc attgaaagac tttatgktac ttactttggc 540
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gaaatgattc tggggaccat tctgaccaca tgcattacta tcagggtaaa aaatatttcc 660
gagataggag gggaggtggc agaaattcag actggtcttc agatacaaat cgacaaggac 720
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tggcaggaac ttattatgac cccaataccc agcaagaagt ctatgtgccc caggatcctg 840
gattacctga ggaagaagag atcaaggaaa aaaaaccac cagtcaagga aagtcaagta 900
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gcctcttggg tgaatatgga ggagacagt actatgagga ggaagaagag gaggaacaga 1140
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gagaacgaga gggaaagt t aaaggaagag gaaatgatcg cagggaagag ctccagtctt 1440
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ttgttgataa agaagatc gacactagca gcaaaggagg ctgtgtccaa caggctactg 1560
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ccaacgagac ttaycgagat gctgttcgaa gagtcatgtt tgctcgatat aaagaactcg 1740
attaagaaag gagacaagtt ccatgggata caacctccct cttgttttgt ttgtctctcc 1800
ttttcttttg ttactgttct tgctgctaga acttttttaa ataaactttt tttcaatgtg 1860
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 1920
ggggg                                           1925

```

&lt;210&gt; 533

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (482)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (487)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 533

```
catagaggca aacggtacac tgacagtacc gtccggaatt cccgggtcga cccacgcgtc 60
cggctccgcaa agcctgagtc ctgtcctttc tctctccccg gacagcatga gcttcaccac 120
tcgctccacc ttctccacca actaccggtc cctgggctct gtccaggcgc ccagctacgg 180
cgccccggcg gtcagcagcg cgccagcgt ctatgcaggc gctgggggct ctggttcccc 240
gatctccgtg tcccgtcca ccagcttcag gggcggcatg ggggtccggg gcctggccac 300
cgggatatgcc gggggtctgg caggaatggg agcatccaga acgagaagga gaccatgcaa 360
aagctgaacg accgcctggc ctcttacctg gacaaaatga aggagcctgg agaccgagaa 420
accggaggct ggaaagcaaa aacccgggag cactttggag aagaagganc ccaggtcaga 480
gnctggnagc cattaattca ag                                     502
```

&lt;210&gt; 534

&lt;211&gt; 1800

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 534

```
tcgaccacag cgtccggccg cgcgcgccac tgccaggcgg ggatcggggc gcgcgagctg 60
aggtggtgag ggactagctc ccggatgtgg agaagctggg gagaaggcgt gggaggaaga 120
tggactcggg ggagaagggg gccgccacct ccgtctccaa cccgcggggg cgaccgtccc 180
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agcccccgca cctggcagcc ctaattctgg cccggggagg cagcaaaggc atccccctga 300
agaacattaa gcacctggcg ggggtcccg ctcattggctg ggtcctgcgt gcggccctgg 360
attcaggggc cttccagagt gtatgggttt cgacagacca tgatgaaatt gagaatgtgg 420
ccaaacaatt tgggtcacaa gttcatcgaa gaagtcttga agtttcaaaa gacagctcta 480
cctcactaga tgccatcata gaatttctta attatcataa tgaggttgac attgtaggaa 540
atattcaagc tacttctcca tgtttacatc ctactgatct tcaaaaagtt gcagaaatga 600
ttcgagaaga aggatatgat tctgttttct ctggtgtgag acgccatcag ttctgatgga 660
gtgaaattca gaaaggagtt cgtgaagtga ccgaacctct gaatttaaat ccagctaaac 720
ggcctcgtcg acaagactgg gatggagaat tatatgaaaa tggctcattt tattttgcta 780
aaagacattt gatagagatg ggttacttgc aggggtgaaa aatggcatac tacgaaatgc 840
gagctgaaca tagtgtggat atagatgtgg atattgattg gcctattgca gagcaaagag 900
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atattgatgg atgtctcacc aatggccaca tttatgtatc aggagaccaa aaagaaataa 1020
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gagaaaaaaa tgatacagcc ttcttcagcc agtttgcttt tatttttgat taagtaaatt 1500
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cttttctctt tacgcaagat aattatttag agactgatta cagtcttctc cagattttta 1620
gtaaatgcaa gtaagaacat catcaaagtt cactttgtat tgtacctgtg aaaactgtgt 1680
gtttgtgtgc tttcaaagat gttgggattt tatttatctg gggacagtgt gtatggtaag 1740
acatgccctt ctattaataa aactacattt ctcaaacttg aaaaaaactc gtgccgaatt 1800
```

&lt;210&gt; 535

&lt;211&gt; 2497

454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2467)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2487)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2493)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 535

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ggcggggccag ccaagatggc ggcctcatgc ttggtcctgc tggcgctgtg tctgctgctg 60
ccgctgctgc tgctgggagg atggaagcgc tggcgccggg ggcgggcggc ccggcatgta 120
gtagcgggtg tgctgggcga cgtgggccgc agcccccgta tgcagtacca cgcgctgtcg 180
ttggccatgc acggcttctc ggtgaccctc ctgggggttct gcaactccaa accccatgat 240
gagctcttgc agaacaacag aattcagatt gtgggggttga cagaacttca gagtcttgca 300
gttggggccc gagttttcca gtacggagtc aaagttgtac ttcaggctat gtacttgctg 360
tggaagttga tgtggaggga gccagggtgc tatatctttc tccagaaccc cccagggtctg 420
cctagcattg ctgtctgctg gttcgtgggc tgcccttctg gaagcaagct cgtcattgac 480
tggcacaact atggctactc catcatgggt ctggtgcatg gccccaacca tccccctggt 540
ctgctggcca agtggtacga gaagttcttt gggcgccctgt cccacctgaa cctgtgtggt 600
accaatgcta tgcgagaaga cctggcggat aactggcaca tcagggctgt gaccgtctac 660
gacaagcccg catctttctt taaagagaca cctctggacc tgcagcaccg gctcttcatg 720
aagctgggca gcatgactc tccgttcagg gcccgctcag aacctgagga cccagtcacg 780
gagcggtcgg ccttcacgga gcgggatgct gggagcgggc tggtgacgcg tctccgtgag 840
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ctggcagctt tagaaaagtt tgaacaactg actcttgatg gacacaacct tccttctctc 960
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aagcacttcc agcacatcca ggtctgcacc ccctggctgg aggccgagga ctacccccctg 1080
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cagttccgga agaacctgcg ggaagtcgag cagctccgat gggatgagag ctgggtgcag 1380
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aacatcatat ttgatacaca cgtttttatt tgcacaaaga aaatgctrtt tttggagcca 1920
```

455

```

gaattttcat gtctgattta tgggtatttt cttaagaacc agaactgctg gcagaaaggg 1980
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aaaattcttc ccatgagagt gacttgattc tcacaatccc gttggagtcg tgtgtgagtc 2160
ctacagtgtg aggttcagca ttgccatctc caagtgtctc ycrtagggaa acagtttctg 2220
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aggccanaac tgatggaccg cactacntcc cantcca 2497

```

&lt;210&gt; 536

&lt;211&gt; 4090

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (535)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2475)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 536

```

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aacatcctgg gccctggga tctcagaggc tggaccttcc tgggagactc attgagtaag 180
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ccgccattac ctgtacaccc gaaataagcc ggccgactac ttcacctca tcctgcaggg 720
gaaggtggag gtggaggcag ggaaggagaa catgaagttt gagacgggag ccttctccta 780
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```

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 ggtcatcat tatttccaaa tattgttgt ctgatgactt cctcttccca gtgcaatttt 3240  
 tcccttccca tttcaacctc tggttcctgg gatgagccat accctggaac tggcccacc 3300  
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 aacaatgata tttgctaaac gatatatgga atttattttt gattggtaat aaaaaatcaa 3540  
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 ttgttgagat aaaagtggct gtggctggct gtctctgtg atgggacaag ggcaataaag 3660  
 gattctagga ccattcagca gtgaaatgca atcagaaatg gaatttctaa atatagtcaa 3720  
 ggctgtcgtc acaggagtga gagggacgtg gctgctggca gacatacagg acagatgtgc 3780  
 tcagctgcca taagcatgag tcctgtgaaa cagatcccat agsgcccttg gcttgtgagt 3840  
 actggaaggg cagtgggctt cagcaaatg cccctcctc ctaccatgg gactgaaaga 3900

457

```

agcttgatcc aaaagtatga gtaatatgtggt tttataacat gcagctgcct tttcgtccac 3960
acctacaggc tagtggtttc aaagttggag tgttcatccc ttgaagaacc tgagttacgt 4020
cactataccc actctcaaag ttgcagctct gcaggggact cccatggtgc tgtacagggtg 4080
ctactctgcc                                     4090

```

&lt;210&gt; 537

&lt;211&gt; 586

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 537

```

cgcgggcgcg gggccgctac gtgcgcgggg agcgcgggga gcgcggggag cgcggnnggt 60
gcgctcgtgt gcgctccttg gcgctcgccg ccgccgctgc cgccgcgcgc ctttgagtca 120
gcaaactccg cggcccgcga gcccggtctg gcccggccct gctctgttct gcccgaggga 180
gccgccatt gatcgtgtcc tgtgctgaag atgtttccgg aacaacagaa agaggaattt 240
gtaagtgtct gggttcgaga tcctaggatt cagaaggagg acttctggca ttcttacatt 300
gactatgaga tatgtattca tactaatagc atgtgtttta caatgaaaac atcctgtgta 360
cgaagaagat atagagaatt cgtgtggctg aggcagagac tccaaagtaa tgcgttgctg 420
gtacaactgc cagaacttcc atctaaaaac ctgtttttca acatgaacaa tcgccagcac 480
gtggatcagc gtcgccaggg tctgggaaat ttcctcagaa aagtcctaca gatgcacttt 540
tgctttcaga tagcagcctt cacctcttcc ttacagagcc atctga 586

```

&lt;210&gt; 538

&lt;211&gt; 1250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 538

```

aattcggcac gagctctccc ttcggcttct ctctttcggc cgcgccgcgc agttcctggg 60
gcacacccag aggtcccctt ctgcgcgcgc cctgcaactg cgagggtagc ccggggccgc 120
ttggagtgcg ccggacctga gaggtgtgtg cactgggacct cagccagccc tccggatgct 180
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ccagaaaaag tgctacagct gcccctgtgt ctcaagggtc ttcgagtaca tgcctacct 480
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gcacagccgg gtgcaactct gggaacgccc gtttcagtgt ccacactgcc ctgcgcgctt 720
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gagagcctga ggctggtgtt cagggccctg gacacagaca cagagcagcc gcattctcaa 900
rgcagagccc tgcctgaagg aggaatccgt gagtaatctt caggctcctc gtgttctgga 960
gctgagatgg gaatgagccc ctacacagaa tggagtcttc tagcctaaag atatcagctg 1020
ttccatggca gaggcttgac tggatggagg tggggagtgt ggtgtgtaaa gtctctggcc 1080

```

458

```
tcataaaagg tggctgtggg tcgtcaggaa tctgcgccat cttcctgggg cttctgcgct 1140
gttggtgggg aagggaacccc agtcctgcct tccaccccc aaccaggcct gagactgac 1200
aaacaataaa cacgtttccc actctgaaaa aaaaaaaaaa aaaaaaaaaa 1250
```

&lt;210&gt; 539

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1349)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 539

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ggcagagcac atgcgcaccg cagcgggtcg cgcgccctaa ggagtggcac tttttaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgccagt 120
cccagctgcg cgcgcccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcac caaataacctg ctgttcggat ttaacttcac 240
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ttttttgtc tttaaataga tacaaatgtc tatcaacttt aatcaagttg taacttatat 1260
tgaagacaat ttgatacata ataaaaaatt atgacaatgt cctgnaaaaa aaaaaaaaaa 1320
aaaagggcgg ccgccccaga gganccccng 1350
```

&lt;210&gt; 540

&lt;211&gt; 2509



<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 540

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ggccgcacgg cctcggcagc gatggcactg aaggactacg cgctagagaa ggaaaagggt 180
aagaagttct tacaagagtt ctaccaggat gatgaactcg ggaagaagca gttcaagtat 240
gggaaccagt tggttcggct ggctcatcgg gaacagggtg ctctgtatgt ggacctggac 300
gacgtagccg aggatgaccc cgagttggtg gactcaatct gtgagaatgc caggcgctac 360
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gtaaataaag atgtccctga cgtttacatt gagcatcggc taatgatgga gcagcggagt 480
cgggaccctg ggatggtccg aagccccag aaccagtacc ctgctgaact catgcgcaga 540
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ccagagtctc tggctgacta catcacagca gcatacgtgg agatgaggcg agaggcttgg 1920
```

```

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggag 2509

```

&lt;210&gt; 541

&lt;211&gt; 1743

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 541

```

ggcagagggt ggggtcccgc cttgtaggct gtccacctca aacggggccgg acaggatata 60
taagagagaa tgcaccgtgc actacacacg cgactcccac aagggttgag ccggagccgc 120
ccagctcacc gagagcctag ttccggccag ggtcgccccg gcaaccacga gccagccaa 180
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agaaaggatg ggaggtggtg gagtcggacc tctatgccat gaacttcaat cccatcattt 360
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agcttgctct gtacccargc tggatgcart ggggtgactcg gctcactgca acctctgcct 1740
ccc 1743

```

&lt;210&gt; 542

&lt;211&gt; 2210

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 542

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```

<210> 543

<211> 1715

<212> DNA

<213> Homo sapiens

&lt;400&gt; 543

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aagagamaaa aaaaaaaaaa aaagaaagtc gacgc 1715
```

&lt;210&gt; 544

&lt;211&gt; 3109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1011)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 544

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gtgacaaggc ccttggaactg gacagtgccca atgagaaagg cttgtatagg aggggtgaag 540
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&lt;210&gt; 545

&lt;211&gt; 1176

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 545

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&lt;210&gt; 546

&lt;211&gt; 1735

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 546

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465

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&lt;210&gt; 547

&lt;211&gt; 1048

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1043)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 547

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&lt;210&gt; 548

&lt;211&gt; 736

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (719)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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<222> (724)  
<223> n equals a,t,g, or c

<220>  
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<222> (727)  
<223> n equals a,t,g, or c

<220>  
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ctantnttaa atcncg 736

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<211> 2231  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2224)  
<223> n equals a,t,g, or c

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&lt;210&gt; 550

&lt;211&gt; 1816

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 550

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&lt;210&gt; 551

&lt;211&gt; 2610

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 551

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&lt;211&gt; 4021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4000)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 552

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&lt;210&gt; 553

&lt;211&gt; 1780

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 553

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<212> DNA

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<213> Homo sapiens

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<222> (1980)

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<222> (906)

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<400> 556

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<210> 557

<211> 3484

<212> DNA

<213> Homo sapiens

<400> 557

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476

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&lt;210&gt; 558

&lt;211&gt; 790

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (788)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 558

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477

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&lt;210&gt; 559

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 559

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&lt;210&gt; 560

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 560

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&lt;210&gt; 561

&lt;211&gt; 3043

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
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<222> (3038)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3039)  
<223> n equals a,t,g, or c

<400> 561  
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<210> 562

<211> 1386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 562

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<210> 563

<211> 2638

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 563

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&lt;210&gt; 564

&lt;211&gt; 691

481

<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<400> 564  
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tcgagtggat tggaacactt caagccccca a 691

<210> 565  
<211> 1967  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 565

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg ggggggag 1967

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&lt;210&gt; 566

&lt;211&gt; 1334

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1307)

&lt;223&gt; n equals a,t,g, or c



<220>  
 <221> misc feature  
 <222> (1309)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1312)  
 <223> n equals a,t,g, or c

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<210> 567  
 <211> 1610  
 <212> DNA  
 <213> Homo sapiens

<400> 567  
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 gaaagcacta gggtttctgc attcaaagag taaagattct gctgaaaagc taaaagcact 180  
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 atccagtctt ccttctggta ataataatgg caaggctctc acaactgaaa aggtaaagaa 360  
 ggaagctgaa aagagacctg ctgataaaat gaaatcagac atcactgaag gagttgatat 420  
 tccaaagaaa cctagattgg agaaaccaga aacacagtca tctccatta ctgtccaaaag 480  
 tagcaaggat ttacctatgg ctgaccttct cagttttgag gagaccagtg ctgatgattt 540  
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484

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acaaatgaaa agaattggctc aaaaaactca gaaaccaccg cagaaaccag cccttgagct 780
tgtttctgta actccagctg tcaaagatcc attggttaag aaaccagaaa ctaactgaa 840
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tcttcataat caaaaaaaaaa aaaaaaaaaa agaaaaaaaa aaaaaaaaaa 1610

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&lt;210&gt; 568

&lt;211&gt; 1412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1018)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1037)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 568

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ctaaagtttc ttctttggat ttcttgacag tatgatttag taaatgaaat ttgaccaaata 180
ggaagaatca tgtagttctt gacctcaata ctatagtaac ttttaggcgt ggggtgtagaa 240
gtttatagggt ttctattgac agttattgta aattagcatt tactgtggta caaattcttt 300
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485

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agaactctta aagtgtgtnaca gttacgccat acttcataag tggtaaagaa aggtataaaa 1080
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tttgataatt ttttataaaa aaaaaaaaaa ag 1412

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&lt;210&gt; 569

&lt;211&gt; 1125

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 569

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ctgacccaag gggccttcga ggtgccttag gccgcttgcc ttgctctcag aatcgctgcc 120
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&lt;210&gt; 570

&lt;211&gt; 1916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1899)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 570

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ggggagggtc agttggaggc aggcgctcgc tgaggcaaaa ggaggcgctc ggcccgcggc 60
ctgacaggga cttagcccgc agagatcgac cccgcgcgcg tgacccaca cccaccact 120
catccatcta tccactccct gcgcgcctc ctcccaccct gagcagagcc gccgaggatg 180
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aggcacattg ttccagggcc tctgtgtgc tctgatgcc cctcaccac tgtcgaagat 300
ccccggtggg cgagggggcg gcagggatcc ttctctctca gctctaatat ataaggacga 360

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486

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gaagctcact gtgacccagg acctccctgt gaatgatgga aaacctcaca tcgtccactt 420
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gattgggtga gggggacggg gatgtcaggg aggcaagtgt gttgtgttac tgtgtcaata 1860
aactgattta agttraaaaa aaaaaaaaaa aaaaactcng rgggggcgct atagtgt 1916

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&lt;210&gt; 571

&lt;211&gt; 1253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1212)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 571

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cgctccgcc cagcgtccg cccacgcgtc cgcccacgcg tccgctcagg aggcgggagg 60
aggaccggga atgaagacga aggcgtcac cattaaatcg tacggctcgc actgccccct 120
gcccgcagtc cagcgtcttc aaccgtttct gcggcagctc tggaggccgc ggctttggct 180

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&lt;210&gt; 572

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 572

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<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (631)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 573

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<213> Homo sapiens

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<221> misc feature

<222> (2326)

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<221> misc feature

<222> (2367)

<223> n equals a,t,g, or c

<400> 574

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490

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&lt;210&gt; 575

&lt;211&gt; 1372

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1370)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 575

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<210> 576

<211> 2020

<212> DNA

<213> Homo sapiens

<400> 576

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<211> 3161

<212> DNA

<213> Homo sapiens

<400> 577

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3161

<210> 578

<211> 2046

<212> DNA

<213> Homo sapiens

<400> 578

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gcccaa 2046

<210> 579

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<400> 579

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acctcatca cccaccacac ataatgggga gctggagccg tcattctccc ccttgctagg 180
agaagggaag acgcccgaga cgctgcttcc ccagaagtgc tggggncagg gagggccagg 240
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tg                                                    302
```

<210> 580

<211> 3067

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1808)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2945)

<223> n equals a,t,g, or c

<400> 580

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tgcgctcgct ctgcagagcc tcaggctcgc ggccggcctg ggccggcggc gccctgacag 180
ccccacctc gcaagagcag ccgcggcgcc actatgccga caaaaggatc aagggtggcg 240
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agaagctcat cctgccccac gtggacatcc agctaaagta ttttgacctc gggctcccaa 360
accgtgacca gactgatgac caggtcacca ttgactctgc actggccacc cagaagtaca 420
gtgtggctgt caagtgtgcc accatcacc ctagtgaggc ccgtgtggaa gagttcaagc 480
tgaagaagat gtggaaaagt cccaatggaa ctatccggaa catcctgggg gggactgtct 540
```

```

tccgggagcc catcatctgc aaaaacatcc cagcctagt ccctggctgg accaagccca 600
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gggcccggcac tttcaaaatg gtcttcaccc caaaagatgg cagtgggtgtc aaggagtggtg 720
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tttgnntacc cagtgtctca gtctgtgcca gcagcamcac tgtctgtwat ggacaaagca 3000
cagaagcggg gatgcraggg gaagtagagg gaccgccagc ctgtcaaggc ttaactggct 3060
gttgctg 3067

```

&lt;210&gt; 581

&lt;211&gt; 1574

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (457)

<223> n equals a,t,g, or c

<400> 581

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caggtggtgg cgcgcgccgt gtgcttggtc ttcgccttga tcgtgttctc ctgcatctat 180
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tcattcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaagggc ggcc 1574
```

<210> 582

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (924)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (937)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (939)

<223> n equals a,t,g, or c

&lt;400&gt; 582

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ggggcccggt accmattggc cttnggkggg tggtttnanw ttaatggcck ggtttaaaag 960
```

&lt;210&gt; 583

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 583

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aactgcggcg tcatccggc tataagcgca cggcctcggc gacctctcc gaccggccg 120
ccgcccgcac gcagccctcc agccttctgc cgctcgccct ctgctgctg gctgcaccg 180
cctccgcgct cgtcaggatc ccgctgcaca agttcacgtc catccgccg accatgtcgg 240
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cgggctycty caacctgttg gtcccctcca tccactgcaa actgctggac atcgcttgct 480
ggatycacca caagtamaac agcgacaagt ccagcaacta cgtgaagaat ggtaactcgt 540
t 541
```

&lt;210&gt; 584

&lt;211&gt; 2968

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1437)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2961)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2964)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 584

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aggcttcaag gccgaatggc tggcagtga ggacgagcgt ctgtacgtgg gcggcctggg 540
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499

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gagggagtgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2940
aaaaacaaaa aaaaaaaaaa nagnagag                                2968

```

&lt;210&gt; 585

&lt;211&gt; 2608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 585

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